



Preferred Parts

Number:	J-010
Date Issued:	A-OCT05

ELECTRONIC DOCUMENT IN THE VIEWER IS CONTROLLED. PRINTED COPY IS AN UNCONTROLLED DOCUMENT.

COTTER PINS - EXTENDED PRONG INCH SERIES (Superseded)

This standard has been superseded by CNH Standard Parts, STPJ110 (87366664), Cotter Pins Split - Inch Extended Prong - Non-Preferred.

The controlled versions of CNH specifications and standards are published on the CNH Intranet site.

The documents are also available on the CNH electronic viewing system (e.g. eViewer). Suppliers are able to access these documents on CSCN (CNH Supplier Communications Network).

The superseded standard remains available for viewing following this page if needed.

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GENERAL SPECIFICATIONS

GENERAL: This specification conforms in all essentials with ANSI B18.8.1.

PREFERRED PARTS POLICY: Preferred parts are so designated to reduce variety of parts and assure maximum availability, interchangeability and cost savings in volume buying.

Nominal Sizes: .062, .094, .125, .188, .250, .312 and .375

Material: Steel (STL)

Finish: Zinc (ZN)

Lengths: See chart below

Dimensions in inches

Nominal Pin Length	Nominal Pin Size							
	.062	.094	.125	.156	.188	.250	.312	.375
.375	X							
.500	X	X	X					
.750	X	X	X	X	X			
1.000	X	X	X	X	X	X		
1.250	X	X	X	X	X	X		
1.500	X	X	X	X	X	X	X	X
1.750	X	X	X	X	X	X	X	X
2.000	X	X	X	X	X	X	X	X
2.250		X	X	X	X	X		
2.500		X	X	X	X	X	X	X
2.750			X	X	X	X		
3.000			X	X	X	X	X	X
3.500					X	X	X	X
4.000					X	X	X	X

SERVICE PARTS SUBSTITUTION POLICY: In the event that engineering does not indicate a "Do not substitute" in engineering specification, the following substitutions may be implemented in service.

To be Replaced	Service Replacement
Plain finish (PLN)	Because of the superior shelf life, zinc finish (ZN) is recommended for service.

All lengths below one inch with 1/16 inch increments, sub the next longer 1/8 inch increment. Example: 3/8 inch for 5/16 inch.

All lengths above one inch with 1/8 inch increments sub the next longer 1/4 inch increment. Example: 1-1/4 inch for 1-1/8 inch.

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HEAD: The contour of the head shall be optional with the manufacturer provided the specified dimensions are maintained and there is no sharp indentation at the juncture of head and shank.

POINTS: The ends of points shall not be open and any gaps occurring between the prongs along the shank portion of pins beyond the point shall not exceed .015 inch. The lateral misalignment of prongs over the entire length of shank shall not exceed .015 inch.

TOLERANCE OF LENGTH: The tolerance on length shall be as tabulated below when measured in accordance with ANSI B18.8.1.

Nominal Pin Length	Tolerance on Length
Up to 1 inch	± .03 inch
1 inch and longer	± .06 inch

WIRE SECTION: The material shall be rolled or drawn from wire having a half round section, the flat side of which preferably shall have a small degree of rounding (a radius equal to 7.5 to 10 percent of the minimum pin diameter) at the edges rather than sharp corners.

MATERIAL:
Steel (STL) - Case MS 352, 1010; AISI 1008 or 1012 also permissible
Stainless Steel (SST) - AISI types 302 or 304 corrosion resistant steel
Brass (BRS) - C26000 per ASTM B134

DUCTILITY: Each prong of the cotter pin shall be capable of withstanding being bent back upon itself (180E) once with no visible indication of fracture occurring at the point of bend.

FINISHES: In accordance with Case Engineering Materials Specifications and class below:

Plain (PLN)

Zinc (ZN) - MS 201, class 4

At manufacturer's option, plated pins may be given a subsequent chromate treatment.

WORKMANSHIP: Pins shall not contain imperfections which affect usability or serviceability such as excessive amounts of burns, loose scale or irregular surfaces.

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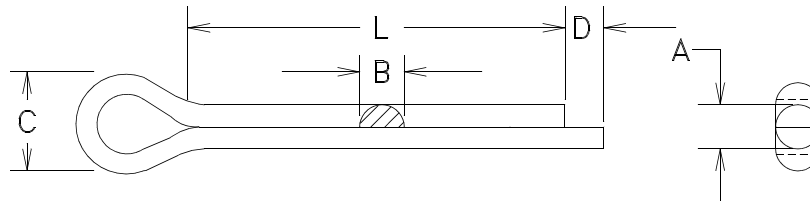


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Dimensions in inches

Nominal Size or Basic Pin Diameter		A		B		C	D	Recommended Hole Size
		Total Shank Diam.		Wire Width		Head Diameter	Extended Prong Length	
		Max.	Min.	Max.	Min.	Min.	Min.	Nom.
1/32	.031	0.032	0.028	0.032	0.022	0.06	0.01	0.047
3/64	.047	0.048	0.044	0.048	0.035	0.09	0.02	0.062
1/16	.062	0.060	0.056	0.060	0.044	0.12	0.03	0.078
5/64	.078	0.076	0.072	0.076	0.057	0.16	0.04	0.094
3/32	.094	0.090	0.086	0.090	0.069	0.19	0.04	0.109
7/64	.109	0.104	0.100	0.104	0.080	0.22	0.05	0.125
1/8	.125	0.120	0.116	0.120	0.093	0.25	0.06	0.141
9/64	.141	0.134	0.130	0.134	0.104	0.28	0.06	0.156
5/32	.156	0.150	0.146	0.150	0.116	0.31	0.07	0.172
3/16	.188	0.176	0.172	0.176	0.137	0.38	0.09	0.203
7/32	.219	0.207	0.202	0.207	0.161	0.44	0.10	0.234
1/4	.250	0.225	0.220	0.225	0.176	0.50	0.11	0.266
5/16	.312	0.280	0.275	0.280	0.220	0.62	0.14	0.312
3/8	.375	0.335	0.329	0.335	0.263	0.75	0.16	0.375
7/16	.438	0.406	0.400	0.406	0.320	0.88	0.20	0.438
1/2	.500	0.473	0.467	0.473	0.373	1.00	0.23	0.500
5/8	.625	0.598	0.590	0.598	0.472	1.25	0.30	0.625
3/4	.750	0.723	0.715	0.723	0.572	1.50	0.36	0.750

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