



Standard Part

Cotter (Split) Pin - Metric Extended Prong

STPJ540

87366821

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1. GENERAL

This standard conforms essentially with ISO 1234 concerning cotter pins.

2. RELATED DOCUMENTS

2.1 REFERENCE STANDARDS

ISO 1234—Split Pins
 CNH MAT0310—Zinc Plating
 CNH STPA020—Fastener Finishes and Material Specifications
 ENPA110—Preferred Parts
 DIN 94—Split Pins

2.2 REPLACED STANDARDS

JM-010 (Case)—Cotter Pins, Split (General Specifications)
 JM-011 (Case)—Cotter Pins, Split – Preferred
 JM-012 (Case)—Cotter Pins, Split – Non-Preferred
 FNHA-1-A-660.00 (NH)—Cotter Pins, Extended Prong, Zn Cr Coated
 Fiat 10195—Cotter Pins

3. PREFERRED PARTS POLICY

Preferred parts are so designated to reduce variety of parts and assure maximum availability, interchangeability and cost savings. Refer to ENPA110 for details.

4. CROSS REFERENCE

For cross reference listing of company part numbers, go to [CNH Catalogue](#).

5. MATERIAL AND FINISH

Material and finish shall conform to STPA020. Cotter pins made from steel (STL) with a Zinc (ZND) finish is preferred. Stainless Steel (SST) cotter pins to be made from austenitic stainless steel.

6. 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.

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7. POINT

7.1 The preferred point type shall be the extended prong – square cut design as illustrated in Figure 1.

7.2 The ends of pins shall not be open and any gaps occurring between the prongs along the shank portion of pins beyond the point shall not exceed 0.4mm. The misalignment of prongs over the entire length of the shank shall not exceed 0.4mm.

8. DUCTILITY

Each prong of the split pins, with nominal diameter up to and including 5mm, shall not display any cracks at the point of bending after the leg has been bent three times through 90 degrees. Split pins with nominal diameters exceeding 5mm shall withstand being bent twice in the same test. Refer to DIN 94.

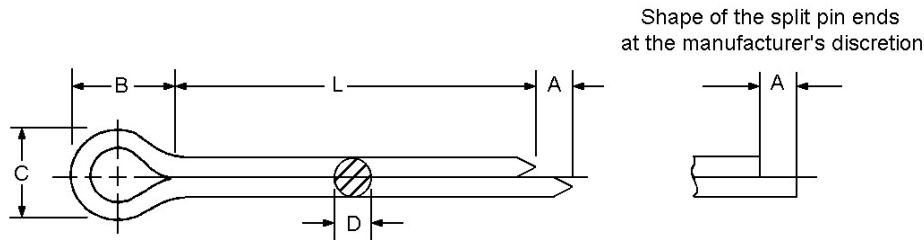


FIGURE 1: Cotter Pin Diagram

Nominal Size	D*		C		A		B	Recommend Hole Size	
	Shank Diameter		Head Outside Diameter		Prong Extension		Head Height Approx.	Max.	Min.
	Max.	Min.	Max.	Min.	Max.	Min.			
1	0.9	0.8	1.8	1.6	3.6	0.8	3	1.14	1
1.2	1	0.9	2	1.7	4.5	1.2	3	1.34	1.2
1.6	1.4	1.3	2.8	2.4	4.5	1.2	3.2	1.85	1.6
2	1.8	1.7	3.6	3.2	4.5	1.2	4	2.25	2
2.5	2.3	2.1	4.6	4	4.5	1.2	5	2.75	2.5
3.2	2.9	2.7	5.8	5.1	5.0	1.6	6.4	3.5	3.2
4	3.7	3.5	7.4	6.5	5.2	2	8	4.3	4
5	4.6	4.4	9.2	8	6	2	10	5.3	5
6.3	5.9	5.7	11.8	10.3	6	2	12.6	6.66	6.3
8	7.5	7.3	15	13.1	6	2	16	8.36	8
10	9.5	9.3	19	16.6	8.3	3.2	20	10.36	10
13	12.4	12.1	24.8	21.7	8.3	3.2	26	13.43	13
16	15.4	15.1	30.8	27	8.3	3.2	32	16.43	16
20	19.3	19	38.6	33.8	8.3	3.2	40	20.52	20

* Dimension D listed above applies to product prior to plating.



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TABLE 1: Steel Cotter Pins with ZND Finish - Preferred

Length	Nominal Diameter						
	1.6	2	2.5	3.2	4	5	6.3
8	10795001						
10	86639114	10794401			Non-Preferred		
12	10734101	86639115	86639116				
14		82863187		300408			
16	87016658						
18	10795101	87016662		10796401			
20	86977785	9512667	87016659	130003	130006		
22		10734401		10733601	10796901	10797101	
25		86978780	10802801	130004	130007	394818	
28		10795801		10734601		47950127	
32		300400		130005	412685	412686	412687
36		10796001		10734801	10733801	10797401	10798301
40		300401		300409	300595	130011	9515820
45				10796601	10733901	10735001	10798501
50				300410	300416	130012	300423
56				10795501		10797701	10797901
63					300417	300420	130016
80						412320	300424
100		Non-Preferred					
125							



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TABLE 2: Steel Cotter Pins – Non-Preferred

Diameter	Length	Finish	Part No.
1	10	ZND	1570471
1.2	8	ZND	10794501
1.2	12	ZND	10794601
2	8	PLN	4155894
2	8	ZND	10795701
2	12	DAC	10734204
2	12	BLO	10734206
2	15	ZND	10766301
2	18	DAC	10734304
2	22	DAC	10734404
2.5	20	DAC	90479205
3.2	12	ZND	10796301
3.2	15	ZND	10766701
3.2	18	DAC	10796404
3.2	18	BZN	10796408
3.2	22	DAC	10733604
3.2	28	DAC	10734604
3.2	28	PLN	10734600
3.2	50	DAC	10796704
4	16	ZND	10796801
4	22	DAC	10796904
4	36	DAC	10733804
5	76	ZND	10800801

Diameter	Length	Finish	Part No.
6.3	25	ZND	10798101
6.3	25	DAC	10798104
6.3	32	DAC	10798204
6.3	36	DAC	10798304
6.3	40	DAC	10798404
6.3	63	DAC	10795404
6.3	66	ZND	10803801
6.3	96	ZND	10804801
8	40	ZND	10800911
8	50	ZND	300596
8	63	ZND	130017
8	63	DAC	90391786
8	71	ZND	47949692
8	76	ZND	10829901
8	80	ZND	300600
8	86	ZND	10830001
8	96	ZND	13065501
8	106	ZND	10804001
10	14	ZND	10805001
10	63	ZND	300602
10	100	ZND	300601
10	125	ZND	10805901
12	80	ZND	10867301

