

COTTER PINS

HUYETT.COM • 785-392-3017

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STANDARD – IMPERIAL

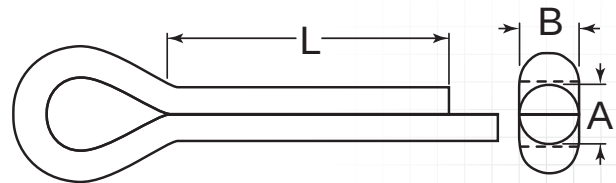
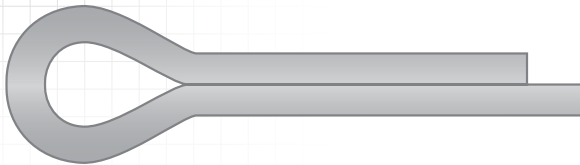
ASME B18.8.1

DESCRIPTION

A split pin manufactured from half-round steel wire that is fastened, after passing through a hole, by bending the ends. Cotter pins provide simple, low-cost, yet secure locking between parts.

HOW TO IDENTIFY

1. Verify half-round wire with extended prong.
2. Measure outside diameter (A).
3. Measure effective length (L).
4. Find the part in the chart below.



PREFIX MATERIAL/FINISH

CP = CARBON STEEL, ZINC CLEAR
 CPA = ALUMINUM, PLAIN
 CPB = BRASS, PLAIN
 CPC = CARBON STEEL, CADMIUM
 CPMO = MONEL, PLAIN

CPP = CARBON STEEL, PLAIN*
 CPS = 18-8 STAINLESS STEEL, PLAIN
 CPS16 = MARINE GRADE 316
 STAINLESS STEEL, PLAIN
 CPY = CARBON STEEL, ZINC YELLOW

Material/finish combinations may not be available in all sizes.

ITEM NUMBER	(L) EFFECTIVE LENGTH
1/32 (.031") (A) Outside Diameter: .034/.028"	
(B) Width: .031" .032/.022" (L) <1" is +030/-.030" >=1" is +.060/-.060"	
PREFIX-031-0250	.250" (1/4)
PREFIX-031-0312	.313" (5/16)
PREFIX-031-0375	.375" (3/8)
PREFIX-031-0437	.438" (7/16)
PREFIX-031-0500	.500" (1/2)
PREFIX-031-0625	.625" (5/8)
PREFIX-031-0750	.750" (3/4)
PREFIX-031-1000	1.000" (1)
PREFIX-031-1250	1.250" (1-1/4)
PREFIX-031-1500	1.500" (1-1/2)
PREFIX-031-2000	2.000" (2)
3/64 (.047") (A) Outside Diameter: .050/.044"	
(B) Width: .047" .048/.035" (L) <1" is +030/-.030" >=1" is +.060/-.060"	
PREFIX-046-0250	.250" (1/4)
PREFIX-046-0312	.313" (5/16)
PREFIX-046-0375	.375" (3/8)
PREFIX-046-0437	.438" (7/16)

ITEM NUMBER	(L) EFFECTIVE LENGTH
PREFIX-046-0500	.500" (1/2)
PREFIX-046-0625	.625" (5/8)
PREFIX-046-0750	.750" (3/4)
PREFIX-046-0875	.875" (7/8)
PREFIX-046-1000	1.000" (1)
PREFIX-046-1250	1.250" (1-1/4)
PREFIX-046-1500	1.500" (1-1/2)
PREFIX-046-2000	2.000" (2)

1/16 (.063") (A) Outside Diameter: .062/.056"	
(B) Width: .060" .060/.044" (L) <1" is +030/-.030" >=1" is +.060/-.060"	
PREFIX-062-0250	.250" (1/4)
PREFIX-062-0312	.313" (5/16)
PREFIX-062-0375	.375" (3/8)
PREFIX-062-0437	.438" (7/16)
PREFIX-062-0500	.500" (1/2)
PREFIX-062-0625	.625" (5/8)
PREFIX-062-0750	.750" (3/4)
PREFIX-062-0875	.875" (7/8)
PREFIX-062-1000	1.000" (1)
PREFIX-062-1250	1.250" (1-1/4)
PREFIX-062-1500	1.500" (1-1/2)
PREFIX-062-1750	1.750" (1-3/4)

ITEM NUMBER	(L) EFFECTIVE LENGTH
PREFIX-062-2000	2.000" (2)
PREFIX-062-2250	2.250" (2-1/4)
PREFIX-062-2500	2.500" (2-1/2)
PREFIX-062-3000	3.000" (3)
PREFIX-062-3500	3.500" (3-1/2)

5/64 (.078") (A) Outside Diameter: .078/.072"	
(B) Width: .076" .076/.057" (L) <1" is +030/-.030" >=1" is +.060/-.060"	
PREFIX-078-0500	.500" (1/2)
PREFIX-078-0625	.625" (5/8)
PREFIX-078-0750	.750" (3/4)
PREFIX-078-0875	.875" (7/8)
PREFIX-078-1000	1.000" (1)
PREFIX-078-1125	1.125" (1-1/8)
PREFIX-078-1250	1.250" (1-1/4)
PREFIX-078-1375	1.375" (1-3/8)
PREFIX-078-1500	1.500" (1-1/2)
PREFIX-078-1625	1.625" (1-5/8)
PREFIX-078-1750	1.750" (1-3/4)
PREFIX-078-2000	2.000" (2)
PREFIX-078-2250	2.250" (2-1/4)
PREFIX-078-2500	2.500" (2-1/2)
PREFIX-078-3000	3.000" (3)

FOR DETAILED SPECIFICATIONS AND TOLERANCES, VISIT HUYETT.COM.

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*Limited warranty for surface finish: 30 days from date of shipment. See page 8 for details.



ASME B18.8.1

STANDARD – IMPERIAL

ITEM NUMBER	(L) EFFECTIVE LENGTH
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3/32 (.094")

(A) Outside Diameter: .094/.086"

(B) Width: .090" .090/.069"

(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-093-0500	.500" (1/2)
PREFIX-093-0625	.625" (5/8)
PREFIX-093-0750	.750" (3/4)
PREFIX-093-0875	.875" (7/8)
PREFIX-093-1000	1.000" (1)
PREFIX-093-1125	1.125" (1-1/8)
PREFIX-093-1250	1.250" (1-1/4)
PREFIX-093-1375	1.375" (1-3/8)
PREFIX-093-1500	1.500" (1-1/2)
PREFIX-093-1625	1.625" (1-5/8)
PREFIX-093-1750	1.750" (1-3/4)
PREFIX-093-2000	2.000" (2)
PREFIX-093-2250	2.250" (2-1/4)
PREFIX-093-2500	2.500" (2-1/2)
PREFIX-093-3000	3.000" (3)
PREFIX-093-3500	3.500" (3-1/2)
PREFIX-093-4000	4.000" (4)

7/64 (.109")

(A) Outside Diameter: .107/.100"

(B) Width: .104" .104/.080"

(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-109-0500	.500" (1/2)
PREFIX-109-0625	.625" (5/8)
PREFIX-109-0750	.750" (3/4)
PREFIX-109-1000	1.000" (1)
PREFIX-109-1250	1.250" (1-1/4)
PREFIX-109-1500	1.500" (1-1/2)
PREFIX-109-1750	1.750" (1-3/4)
PREFIX-109-2000	2.000" (2)
PREFIX-109-2250	2.250" (2-1/4)
PREFIX-109-2500	2.500" (2-1/2)
PREFIX-109-3000	3.000" (3)
PREFIX-109-3500	3.500" (3-1/2)
PREFIX-109-4000	4.000" (4)

1/8 (.125")

(A) Outside Diameter: .124/.116"

(B) Width: .120" .120/.094"

(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-125-0500	.500" (1/2)
PREFIX-125-0625	.625" (5/8)
PREFIX-125-0750	.750" (3/4)
PREFIX-125-0875	.875" (7/8)
PREFIX-125-1000	1.000" (1)
PREFIX-125-1125	1.125" (1-1/8)
PREFIX-125-1250	1.250" (1-1/4)
PREFIX-125-1375	1.375" (1-3/8)

ITEM NUMBER	(L) EFFECTIVE LENGTH
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PREFIX-125-1500	1.500" (1-1/2)
PREFIX-125-1625	1.625" (1-5/8)
PREFIX-125-1750	1.750" (1-3/4)
PREFIX-125-2000	2.000" (2)
PREFIX-125-2250	2.250" (2-1/4)
PREFIX-125-2500	2.500" (2-1/2)
PREFIX-125-3000	3.000" (3)
PREFIX-125-3500	3.500" (3-1/2)
PREFIX-125-4000	4.000" (4)
PREFIX-125-5000	5.000" (5)
PREFIX-125-11000	11.000" (11)

9/64 (.141")

(A) Outside Diameter: .138/.130"

(B) Width: .134" .134/.104"

(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-140-0750	.750" (3/4)
PREFIX-140-1000	1.000" (1)
PREFIX-140-1250	1.250" (1-1/4)
PREFIX-140-1500	1.500" (1-1/2)
PREFIX-140-1750	1.750" (1-3/4)
PREFIX-140-2000	2.000" (2)
PREFIX-140-2250	2.250" (2-1/4)
PREFIX-140-2500	2.500" (2-1/2)
PREFIX-140-3000	3.000" (3)
PREFIX-140-3500	3.500" (3-1/2)
PREFIX-140-4000	4.000" (4)

5/32 (.156")

(A) Outside Diameter: .154/.146"

(B) Width: .150" .150/.116"

(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-156-0500	.500" (1/2)
PREFIX-156-0625	.625" (5/8)
PREFIX-156-0750	.750" (3/4)
PREFIX-156-1000	1.000" (1)
PREFIX-156-1125	1.125" (1-1/8)
PREFIX-156-1250	1.250" (1-1/4)
PREFIX-156-1375	1.375" (1-3/8)
PREFIX-156-1500	1.500" (1-1/2)
PREFIX-156-1625	1.625" (1-5/8)
PREFIX-156-1750	1.750" (1-3/4)
PREFIX-156-2000	2.000" (2)
PREFIX-156-2250	2.250" (2-1/4)
PREFIX-156-2500	2.500" (2-1/2)
PREFIX-156-2750	2.750" (2-3/4)
PREFIX-156-3000	3.000" (3)
PREFIX-156-3500	3.500" (3-1/2)
PREFIX-156-4000	4.000" (4)

ADDITIONAL SIZES AND
FINISHES MAY BE AVAILABLE
UPON REQUEST

ITEM NUMBER	(L) EFFECTIVE LENGTH
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3/16 (.188")

(A) Outside Diameter: .180/.172"

(B) Width: .176" .176/.137"

(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-187-0500	.500" (1/2)
PREFIX-187-0750	.750" (3/4)
PREFIX-187-1000	1.000" (1)
PREFIX-187-1250	1.250" (1-1/4)
PREFIX-187-1500	1.500" (1-1/2)
PREFIX-187-1625	1.625" (1-5/8)
PREFIX-187-1750	1.750" (1-3/4)
PREFIX-187-2000	2.000" (2)
PREFIX-187-2250	2.250" (2-1/4)
PREFIX-187-2500	2.500" (2-1/2)
PREFIX-187-2750	2.750" (2-3/4)
PREFIX-187-3000	3.000" (3)
PREFIX-187-3500	3.500" (3-1/2)
PREFIX-187-4000	4.000" (4)
PREFIX-187-4500	4.500" (4-1/2)
PREFIX-187-5000	5.000" (5)
PREFIX-187-6000	6.000" (6)
PREFIX-187-7000	7.000" (7)
PREFIX-187-8000	8.000" (8)
PREFIX-187-12000	12.000" (12)

7/32 (.219")

(A) Outside Diameter: .212/.202"

(B) Width: .207" .207/.161"

(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-218-1000	1.000" (1)
PREFIX-218-1250	1.250" (1-1/4)
PREFIX-218-1500	1.500" (1-1/2)
PREFIX-218-1750	1.750" (1-3/4)
PREFIX-218-2000	2.000" (2)
PREFIX-218-2250	2.250" (2-1/4)
PREFIX-218-2500	2.500" (2-1/2)
PREFIX-218-3000	3.000" (3)
PREFIX-218-3500	3.500" (3-1/2)
PREFIX-218-4000	4.000" (4)
PREFIX-218-4500	4.500" (4-1/2)
PREFIX-218-5000	5.000" (5)
PREFIX-218-6000	6.000" (6)

1/4 (.250")

(A) Outside Diameter: .230/.220"

(B) Width: .225" .225/.176"

(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-250-0750	.750" (3/4)
PREFIX-250-1000	1.000" (1)
PREFIX-250-1125	1.125" (1-1/8)
PREFIX-250-1250	1.250" (1-1/4)
PREFIX-250-1500	1.500" (1-1/2)

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STANDARD – IMPERIAL

ASME B18.8.1

PREFIX MATERIAL/FINISH

CP = CARBON STEEL, ZINC CLEAR
CPA = ALUMINUM, PLAIN
CPB = BRASS, PLAIN
CPC = CARBON STEEL, CADMIUM
CPMO = MONEL, PLAIN

CPP = CARBON STEEL, PLAIN*
CPS = 18-8 STAINLESS STEEL, PLAIN
CPS16 = MARINE GRADE 316
CPS16 = STAINLESS STEEL, PLAIN
CPY = CARBON STEEL, ZINC YELLOW

Material/finish combinations may not be available in all sizes.

ITEM NUMBER	(L) EFFECTIVE LENGTH
PREFIX-250-1750	1.750" (1-3/4)
PREFIX-250-2000	2.000" (2)
PREFIX-250-2250	2.250" (2-1/4)
PREFIX-250-2500	2.500" (2-1/2)
PREFIX-250-2750	2.750" (2-3/4)
PREFIX-250-3000	3.000" (3)
PREFIX-250-3500	3.500" (3-1/2)
PREFIX-250-4000	4.000" (4)
PREFIX-250-4500	4.500" (4-1/2)
PREFIX-250-5000	5.000" (5)
PREFIX-250-6000	6.000" (6)
PREFIX-250-7000	7.000" (7)
PREFIX-250-8000	8.000" (8)
PREFIX-250-12000	12.000" (12)

5/16 (.313")

(A) Outside Diameter: .286/.275"

(B) Width: .280" .280/.220"
(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-312-1000	1.000" (1)
PREFIX-312-1250	1.250" (1-1/4)
PREFIX-312-1500	1.500" (1-1/2)
PREFIX-312-1750	1.750" (1-3/4)
PREFIX-312-2000	2.000" (2)
PREFIX-312-2250	2.250" (2-1/4)
PREFIX-312-2500	2.500" (2-1/2)
PREFIX-312-2750	2.750" (2-3/4)
PREFIX-312-3000	3.000" (3)
PREFIX-312-3500	3.500" (3-1/2)
PREFIX-312-4000	4.000" (4)
PREFIX-312-4500	4.500" (4-1/2)
PREFIX-312-5000	5.000" (5)
PREFIX-312-5250	5.250" (5-1/4)
PREFIX-312-6000	6.000" (6)
PREFIX-312-8000	8.000" (8)
PREFIX-312-11000	11.000" (11)

3/8 (.375")

(A) Outside Diameter: .341/.329"

(B) Width: .335" .335/.263"
(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-375-1250	1.250" (1-1/4)
PREFIX-375-1500	1.500" (1-1/2)
PREFIX-375-1750	1.750" (1-3/4)
PREFIX-375-2000	2.000" (2)

ITEM NUMBER	(L) EFFECTIVE LENGTH
PREFIX-375-2250	2.250" (2-1/4)
PREFIX-375-2500	2.500" (2-1/2)
PREFIX-375-2750	2.750" (2-3/4)
PREFIX-375-3000	3.000" (3)
PREFIX-375-3500	3.500" (3-1/2)
PREFIX-375-4000	4.000" (4)
PREFIX-375-4500	4.500" (4-1/2)
PREFIX-375-5000	5.000" (5)
PREFIX-375-5500	5.500" (5-1/2)
PREFIX-375-6000	6.000" (6)
PREFIX-375-7000	7.000" (7)
PREFIX-375-8000	8.000" (8)
PREFIX-375-10000	10.000" (10)
PREFIX-375-11000	11.000" (11)
PREFIX-375-12000	12.000" (12)

7/16 (.438")

(A) Outside Diameter: .412/.400"

(B) Width: .406" .406/.320"
(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-437-2000	2.000" (2)
PREFIX-437-2250	2.250" (2-1/4)
PREFIX-437-2500	2.500" (2-1/2)
PREFIX-437-3000	3.000" (3)
PREFIX-437-3500	3.500" (3-1/2)
PREFIX-437-4000	4.000" (4)
PREFIX-437-5000	5.000" (5)
PREFIX-437-5500	5.500" (5-1/2)
PREFIX-437-6000	6.000" (6)
PREFIX-437-7000	7.000" (7)
PREFIX-437-8000	8.000" (8)

1/2 (.500")

(A) Outside Diameter: .480/.467"

(B) Width: .473" .473/.373"
(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-500-2000	2.000" (2)
PREFIX-500-2250	2.250" (2-1/4)
PREFIX-500-2500	2.500" (2-1/2)
PREFIX-500-3000	3.000" (3)
PREFIX-500-3500	3.500" (3-1/2)
PREFIX-500-4000	4.000" (4)
PREFIX-500-4500	4.500" (4-1/2)
PREFIX-500-5000	5.000" (5)
PREFIX-500-6000	6.000" (6)

ITEM NUMBER	(L) EFFECTIVE LENGTH
PREFIX-500-6500	6.500" (6-1/2)
PREFIX-500-7000	7.000" (7)
PREFIX-500-8000	8.000" (8)
PREFIX-500-9000	9.000" (9)
PREFIX-500-10000	10.000" (10)

5/8 (.625")

(A) Outside Diameter: .605/.590"

(B) Width: .598" .598/.472"
(L) <1" is +0.030/-.030" >=1" is +.060/-.060"

PREFIX-625-3000	3.000" (3)
PREFIX-625-3500	3.500" (3-1/2)
PREFIX-625-4000	4.000" (4)
PREFIX-625-5000	5.000" (5)
PREFIX-625-6000	6.000" (6)
PREFIX-625-7000	7.000" (7)
PREFIX-625-8000	8.000" (8)
PREFIX-625-8500	8.500" (8-1/2)
PREFIX-625-10000	10.000" (10)
PREFIX-625-11000	11.000" (11)
PREFIX-625-12000	12.000" (12)
PREFIX-625-14000	14.000" (14)

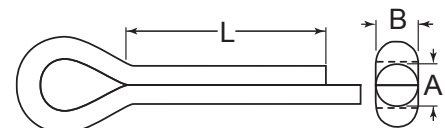
3/4 (.750")*

(A) Outside Diameter: .785/.715"

(B) Width: .750" .785/.715"
(L) +.060/-.060"

PREFIX-750-3000	3.000" (3)
PREFIX-750-3500	3.500" (3-1/2)
PREFIX-750-4000	4.000" (4)
PREFIX-750-5000	5.000" (5)
PREFIX-750-6000	6.000" (6)
PREFIX-750-7000	7.000" (7)
PREFIX-750-8000	8.000" (8)
PREFIX-750-8500	8.500" (8-1/2)
PREFIX-750-12000	12.000" (12)
PREFIX-750-13000	13.000" (13)

* 3/4" Cotter Pins are not ASME B18.8.1 compliant.



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