



COTTER PINS - EXTENDED PRONG, CHISEL POINT

ASME B18.8.1-1994

| Nominal Size | Basic Pin Diameter | T | | W | | B | A | Gage Hole Diameter (± 0.001) |
|--------------|--------------------|----------------------|-------|------------|-------|---------------|-----------------------|------------------------------------|
| | | Total Shank Diameter | | Wire Width | | Head Diameter | Extended Prong Length | |
| | | Max. | Min. | Max. | Min. | Min. | Min. | |
| 1/16 | 0.062 | 0.060 | 0.056 | 0.060 | 0.044 | 0.12 | 0.03 | 0.078 |
| 3/32 | 0.094 | 0.090 | 0.086 | 0.090 | 0.069 | 0.19 | 0.04 | 0.109 |
| 1/8 | 0.125 | 0.120 | 0.116 | 0.120 | 0.093 | 0.25 | 0.06 | 0.141 |
| 5/32 | 0.156 | 0.150 | 0.146 | 0.150 | 0.116 | 0.31 | 0.07 | 0.172 |
| 3/16 | 0.188 | 0.176 | 0.172 | 0.176 | 0.137 | 0.38 | 0.09 | 0.203 |
| 7/32 | 0.219 | 0.207 | 0.202 | 0.207 | 0.161 | 0.44 | 0.10 | 0.234 |
| 1/4 | 0.250 | 0.225 | 0.220 | 0.225 | 0.176 | 0.50 | 0.11 | 0.266 |
| 5/16 | 0.312 | 0.280 | 0.275 | 0.280 | 0.220 | 0.62 | 0.14 | 0.312 |
| 3/8 | 0.375 | 0.335 | 0.329 | 0.335 | 0.263 | 0.75 | 0.16 | 0.375 |
| 1/2 | 0.500 | 0.473 | 0.467 | 0.473 | 0.373 | 1.00 | 0.23 | 0.500 |

| Tolerance on Length | Nominal Pin Length | |
|---------------------|--------------------|------------------|
| | Up to 1 in. | 1 in. and longer |
| | ± 0.03 | ± 0.06 |

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|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | A double bodied pin formed from half-round wire, a loop at one end of which provides a head. The finished part has one end of the wire extending beyond the other end, with a chiseled point. |
| Applications/Advantages | Used to anchor various assemblies by insertion into a drilled hole of a shaft or pin and spreading the points to hold the assembly in position. When used with castle or slotted nuts, it becomes a safety locking device. |
| Material | 1005 - 1010 or equivalent low carbon steel |
| Ductility | Each prong of the cotter pin shall be capable of withstanding being bent back upon itself once with no visible indication of fracture occurring at the point of the bend. |
| Plating | See Appendix-A for plating information. |