



COTTER PINS - EXTENDED PRONG, CHISEL POINT

ASME B18.8.1-1994

Nominal Size	Basic Pin Diameter	T		W		B	A	Gage Hole Diameter ( $\pm 0.001$ )
		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
	$\pm 0.03$	$\pm 0.06$

<b>Description</b>	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.
<b>Applications/Advantages</b>	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.
<b>Material</b>	1005 - 1010 or equivalent low carbon steel
<b>Ductility</b>	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.
<b>Plating</b>	See Appendix-A for plating information.