



COTTER PINS - EXTENDED PRONG, CHISEL POINT

ASME B18.8.1

Nominal Size	Basic Pin Diameter	T		W		B	A	Recommended Hole Size
		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
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

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.