



CLEVIS PINS																	ASME B18.8.1
Nominal Size	S		D		H		C	A		P		L	T		E	K	Recommended Cotter Pin Nominal Size
	Shank Diameter		Head Diameter		Head Height		Head Chamfer	Hole Diameter		Point Diameter		Pin Length	Head to Center of Hole		End to Center Ref	Head to Edge of Hole Ref	
	Max	Min	Max	Min	Max	Min	±0.01	Max	Min	Max	Min	Basic	Max	Min	Basic	Min	
3/16	0.186	0.181	0.32	0.30	0.07	0.05	0.02	0.088	0.073	0.15	0.14	0.58	0.504	0.484	0.09	0.440	1/16
1/4	0.248	0.243	0.38	0.36	0.10	0.08	0.03	0.088	0.073	0.21	0.20	0.77	0.692	0.672	0.09	0.628	1/16
5/16	0.311	0.306	0.44	0.42	0.10	0.08	0.03	0.119	0.104	0.26	0.25	0.94	0.832	0.812	0.12	0.752	3/32
3/8	0.373	0.368	0.51	0.49	0.13	0.11	0.03	0.119	0.104	0.33	0.32	1.06	0.958	0.938	0.12	0.878	3/32
7/16	0.436	0.431	0.57	0.55	0.16	0.14	0.04	0.119	0.104	0.39	0.38	1.19	1.082	1.062	0.12	1.002	3/32
1/2	0.496	0.491	0.63	0.61	0.16	0.14	0.04	0.151	0.136	0.44	0.43	1.36	1.223	1.203	0.15	1.127	1/8
5/8	0.621	0.616	0.82	0.80	0.21	0.19	0.06	0.151	0.136	0.56	0.55	1.61	1.473	1.453	0.15	1.377	1/8
3/4	0.746	0.741	0.94	0.92	0.26	0.24	0.07	0.182	0.167	0.68	0.67	1.91	1.739	1.719	0.18	1.628	5/32
7/8	0.871	0.866	1.04	1.02	0.32	0.30	0.09	0.182	0.167	0.80	0.79	2.16	1.989	1.969	0.18	1.878	5/32
1	0.996	0.991	1.19	1.17	0.35	0.33	0.10	0.182	0.167	0.93	0.92	2.41	2.239	2.219	0.18	2.128	5/32

Description	A solid pin with a cylindrical head, chamfered point, and drilled hole through the side of the pin, slightly above the end.
Applications/ Advantages	Designed to be used with a cotter pin to connect two forked ends of one object to another structural member, such as attaching a pipe hanger to a support beam.
Material	1010 or 1018 low carbon steel
Case Depth*	.010 - .016 in.
Hardness*	Case hardened pins are marked with a "H" on top of the head and can withstand a #58 file without incurring damage.
Plating	See Appendix-A for plating information.

*Applies to case-hardened pins only.