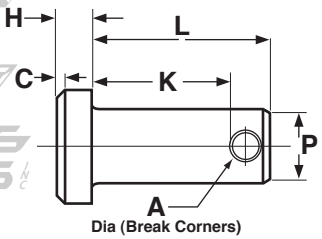
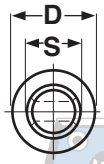
CLEVIS PINS





CLEVIS PINS

ASME B18.8.1 (2014)

Nominal Size	S		D		H		C	A	P		K	Reference Cotter Pin Nominal Size
	Shank Diameter		Head Diameter		Head Height		Head Chamfer	Cotter Pin Hole Size	Point Diameter		Effective Length	
	Max	Min	Max	Min	Max	Min	±0.01	Ref	Max	Min	+ 3/64 / -0	
3/16	0.186	0.181	0.32	0.30	0.07	0.05	0.02	3/32	0.15	0.14	K = L - 9/64	3/32
1/4	0.248	0.243	0.38	0.36	0.10	0.08	0.03	3/32	0.21	0.20	K = L - 9/64	3/32
5/16	0.311	0.306	0.44	0.42	0.10	0.08	0.03	5/32	0.26	0.25	K = L - 7/32	5/32
3/8	0.373	0.368	0.51	0.49	0.13	0.11	0.03	5/32	0.33	0.32	K = L - 7/32	5/32
7/16	0.436	0.431	0.57	0.55	0.16	0.14	0.04	5/32	0.39	0.38	K = L - 7/32	5/32
1/2	0.496	0.491	0.63	0.61	0.16	0.14	0.04	5/32	0.44	0.43	K = L - 7/32	5/32
5/8	0.621	0.616	0.82	0.80	0.21	0.19	0.06	5/32	0.56	0.55	K = L - 7/32	5/32
3/4	0.746	0.741	0.94	0.92	0.26	0.24	0.07	5/32	0.68	0.67	K = L - 7/32	5/32
7/8	0.871	0.866	1.04	1.02	0.32	0.30	0.09	7/32	0.80	0.79	K = L - 5/16	7/32
1	0.996	0.991	1.19	1.17	0.35	0.33	0.10	7/32	0.93	0.92	K = L - 5/16	7/32

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*	Rockwell C 57 minimum. 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.