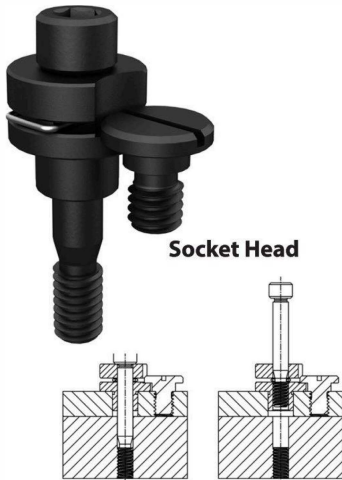


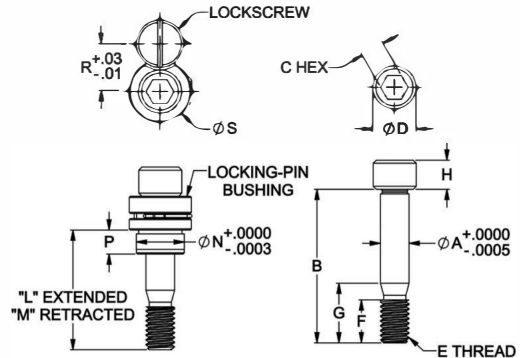
CAPTIVE LOCATING SCREWS

SCREW: 1215 STEEL, CASE HARDENED, BLACK OXIDE FINISH
LOCKING-PIN BUSHING: 1144 STEEL, CASE HARDENED, BLACK OXIDE FINISH
RETAINER CLIP: SPRING STEEL



Socket Head

Captive Locating Screws can be used for locating and clamping, or for clamping only, by selecting the appropriate screw length. The locating screw's precision-ground body is positively retained in a locking bushing. In fully retracted position, the bushing's spring clip snaps into the body's radial groove. This holds the screw fully retracted by spring force and positively prevents removal. Spring pressure also holds the screw in intermediate extended positions, an advantage especially if the fixture is turned upside down.



SOCKET HEAD - COMPLETE ASSEMBLY (INCH)

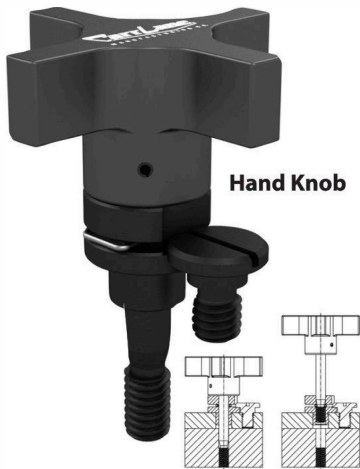
PART NO.	A DIA		B SCREW LENGTH	P BUSHING LENGTH UNDER HEAD	C	D DIA	E THREAD	F	G	H	L	M	N DIA		R	S DIA	LOCATING SCREW (INCLUDED)	BUSHING (INCLUDED)	LOCKSCREW (INCLUDED)															
	NOMINAL	ACTUAL											NOMINAL	ACTUAL																				
CL-4-CLSA-1.25	1/4	.2490	1-1/4	Standard	.31	3/16	3/8	1/4-20	.40	.59	1/4	.81	.25	13/32	.4078	.62	13/16	CL-4-CLS-1.25	CL-4-LPB	LS-1														
CL-42-CLSA-1.25				Long	.50													CL-4A-LPB																
CL-4-CLSA-1.75			1-3/4	Standard	.31													CL-4-LPB																
CL-42-CLSA-1.75				Long	.50													CL-4A-LPB																
CL-5-CLSA-1.38	5/16	.3115	1-3/8	Standard	.31	1/4	15/32	5/16-18	.47	.65	5/16	.94	.32	1/2	.5017	.62	13/16	CL-5-CLS-1.38	CL-5A-LPB	LS-1														
CL-52-CLSA-1.38				Medium	.37													CL-5B-LPB																
CL-53-CLSA-1.38				Long	.50													CL-5-LPB																
CL-5-CLSA-1.75			1-3/4	Standard	.31							CL-5-LPB																						
CL-52-CLSA-1.75				Medium	.37							CL-5A-LPB																						
CL-53-CLSA-1.75				Long	.50							CL-5B-LPB																						
CL-5-CLSA-3.00			3	Standard	.31							CL-5-LPB																						
CL-52-CLSA-3.00				Medium	.37							CL-5A-LPB																						
CL-53-CLSA-3.00				Long	.50							CL-5B-LPB																						
CL-6-CLSA-1.50			3/8	.3740	1-1/2							Standard						.31	5/16		9/16	3/8-16	.56	.75	3/8	1.06	.41	5/8	.6267	.62	13/16	CL-6-CLS-1.50	CL-6-LPB	LS-1
CL-62-CLSA-1.50												Long						.50														CL-6A-LPB		
CL-6-CLSA-1.75					1-3/4							Standard						.31								CL-6-LPB								
CL-62-CLSA-1.75	Long	.50				CL-6A-LPB																												
CL-6-CLSA-2.00	2	Standard			.31	CL-6-LPB																												
CL-62-CLSA-2.00		Long			.50	CL-6A-LPB																												
CL-6-CLSA-3.00	3	Standard			.31	CL-6-LPB																												
CL-62-CLSA-3.00		Long			.50	CL-6A-LPB																												
CL-8-CLSA-1.50	1/2	.4990	1-1/2	Standard	.50	3/8	3/4	1/2-13	.75	.93	1/2	1.06	.60	3/4	.7518	.75	1-1/16	CL-8-CLS-1.50	CL-8-LPB	LS-1														
CL-82-CLSA-1.50				Long	.75													CL-8A-LPB																
CL-8-CLSA-2.00			2	Standard	.50							CL-8-LPB																						
CL-82-CLSA-2.00				Long	.75							CL-8A-LPB																						
CL-8-CLSA-3.00			3	Standard	.50							CL-8-LPB																						
CL-82-CLSA-3.00				Long	.75							CL-8A-LPB																						

SOCKET HEAD - COMPLETE ASSEMBLY (METRIC)

CLM-6-CLSA-30	6mm	.2352	1.18	Standard	.31	5mm	.39	M6	.39	.56	.24	.71	.15	10mm	.3952	.63	.87	CLM-6-CLS-30	CLM-6-LPB	LSM-3
CLM-8-CLSA-35	8mm	.3140	1.38	Standard	.39	6mm	.51	M8	.47	.66	.31	1.30	.29	13mm	.5135	.63	.87	CLM-8-CLS-35	CLM-8-LPB	LSM-3
CLM-8-CLSA-45			1.77															CLM-8-CLS-45		
CLM-8-CLSA-75			2.95															CLM-8-CLS-75		
CLM-10-CLSA-40	10mm	.3927	1.57	Standard	.47	8mm	.63	M10	.55	.76	.39	1.50	.45	16mm	.6316	.63	.87	CLM-10-CLS-40	CLM-10-LPB	LSM-3
CLM-10-CLSA-50			1.97															CLM-10-CLS-50		
CLM-10-CLSA-75			2.95															CLM-10-CLS-75		
CLM-12-CLSA-50	12mm	.4715	1.97	Standard	.71	10mm	.71	M12	.79	1.02	.47	1.89	.68	20mm	.7892	.71	1.02	CLM-12-CLS-50	CLM-12-LPB	LSM-3
CLM-12-CLSA-60			2.36															CLM-12-CLS-60		
CLM-12-CLSA-75			2.95															CLM-12-CLS-75		

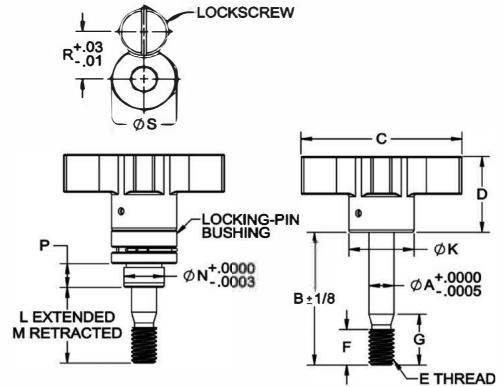
CAPTIVE LOCATING SCREWS

SCREW: 1215 STEEL, CASE HARDENED, BLACK OXIDE FINISH
LOCKING-PIN BUSHING: 1144 STEEL, CASE HARDENED, BLACK OXIDE FINISH. RETAINER CLIP: SPRING STEEL
KNOB: EXTRUDED ALUMINUM



Hand Knob

These Captive Locating Screws have an integral hand knob for tightening by hand. Captive Locating Screws can be used for locating and clamping, or for clamping only, by selecting the appropriate screw length. The locating screw's precision-ground body is positively retained in a locking bushing. In fully retracted position, the bushing's spring clip snaps into the body's radial groove. This holds the screw fully retracted by spring force and positively prevents removal. Spring pressure also holds the screw in intermediate extended positions, an advantage especially if the fixture is turned upside down. **Patent no. US11,078,938**



HAND KNOB — COMPLETE ASSEMBLY (INCH)

PART NO.	A DIA		B	P BUSHING LENGTH UNDER HEAD		C	D	E THREAD	F	G	K DIA	L	M	N DIA		R	S DIA	LOCATING SCREW (INCLUDED)	BUSHING (INCLUDED)	LOCKSCREW (INCLUDED)														
	NOMINAL	ACTUAL												NOMINAL	ACTUAL																			
CL-4-CSHKA-1.25	1/4	.2490	1-1/4	Standard	.31	1.8	1.1	1/4-20	.40	.59	3/4	.81	.25	13/32	.4078	.62	13/16	CL-4-CSHK-1.25	CL-4-LPB	LS-1														
CL-42-CSHKA-1.25				Long	.50							CL-4A-LPB																						
CL-4-CSHKA-1.75			1-3/4	Standard	.31							CL-4-LPB																						
CL-42-CSHKA-1.75				Long	.50							CL-4A-LPB																						
CL-5-CSHKA-1.38	5/16	.3115	1-3/8	Standard	.31	1.8	1.1	5/16-18	.47	.65	3/4	.94	.32	1/2	.5017	.62	13/16	CL-5-CSHK-1.38	CL-5-LPB	LS-1														
CL-52-CSHKA-1.38				Medium	.37							CL-5A-LPB																						
CL-53-CSHKA-1.38				Long	.50							CL-5B-LPB																						
CL-5-CSHKA-1.75			1-3/4	Standard	.31							1.31						.32	1/2		.5017	.62	13/16	CL-5-CSHK-1.75	CL-5-LPB									
CL-52-CSHKA-1.75				Medium	.37																				CL-5A-LPB									
CL-53-CSHKA-1.75				Long	.50																				CL-5B-LPB									
CL-5-CSHKA-3.00			3	Standard	.31							2.56						CL-5-CSHK-3.00	CL-5-LPB															
CL-52-CSHKA-3.00				Medium	.37														CL-5A-LPB															
CL-53-CSHKA-3.00				Long	.50														CL-5B-LPB															
CL-6-CSHKA-1.50			3/8	.3740	1-1/2							Standard						.31	2.1		1.4	3/8-16	.56	.75	1	1.06	.41	5/8	.6267	.62	13/16	CL-6-CSHK-1.50	CL-6-LPB	LS-1
CL-62-CSHKA-1.50												Long						.50								CL-6A-LPB								
CL-6-CSHKA-2.00	2	Standard			.31	1.56	.41	5/8	.6267	.62	13/16	CL-6-CSHK-2.00	CL-6-LPB																					
CL-62-CSHKA-2.00		Long			.50								CL-6A-LPB																					
CL-6-CSHKA-3.00	3	Standard			.31	2.56	CL-6-CSHK-3.00	CL-6-LPB																										
CL-62-CSHKA-3.00		Long			.50			CL-6A-LPB																										
CL-8-CSHKA-1.50	1/2	.4990	1-1/2	Standard	.50	2.1	1.4	1/2-13	.75	.93	1	1.06	.60	3/4	.7518	.75	1-1/16	CL-8-CSHK-1.50	CL-8-LPB	LS-1														
CL-82-CSHKA-1.50				Long	.75							CL-8A-LPB																						
CL-8-CSHKA-2.00			2	Standard	.50							1.56						.60	3/4		.7518	.75	1-1/16	CL-8-CSHK-2.00	CL-8-LPB									
CL-81-CSHKA-2.00				Long	.75																				CL-8A-LPB									
CL-8-CSHKA-3.00			3	Standard	.50							2.56						CL-8-CSHK-3.00	CL-8-LPB															
CL-82-CSHKA-3.00				Long	.75														CL-8A-LPB															

HAND KNOB — COMPLETE ASSEMBLY (METRIC)

CLM-6-CSHKA-30	6mm	.2352	1.18	Standard	.31	1.8	1.1	M6	.39	.56	3/4	.71	.15	10mm	.3952	.63	.87	CLM-6-CSHK-30	CLM-6-LPB	LSM-3
CLM-8-CSHKA-35	8mm	.3140	1.38	Standard	.39	1.8	1.1	M8	.47	.66	3/4	.91	.29	13mm	.5135	.63	.87	CLM-8-CSHK-35	CLM-8-LPB	LSM-3
CLM-8-CSHKA-45			1.77									1.30								
CLM-8-CSHKA-75			2.95									2.48								
CLM-10-CSHKA-40			1.57									1.10								
CLM-10-CSHKA-50	10mm	.3927	1.97	Standard	.47	2.1	1.4	M10	.55	.75	1	1.50	.45	16mm	.6316	.63	.87	CLM-10-CSHK-50	CLM-10-LPB	LSM-3
CLM-10-CSHKA-75			2.95									2.48								
CLM-12-CSHKA-50			1.97									1.50								
CLM-12-CSHKA-60	12mm	.4715	2.36	Standard	.71	2.1	1.4	M12	.79	1.02	1	1.89	.68	20mm	.7892	.71	1.02	CLM-12-CSHK-60	CLM-12-LPB	LSM-3
CLM-12-CSHKA-75			2.95									2.48								