

HOOK CLAMPS

CLAMP BODY: 4135 STEEL, HEAT TREATED, BLACK OXIDE FINISH
 SOCKET HEAD CAP SCREW: STEEL, BLACK OXIDE FINISH
 SPRING: SPRING STEEL, BLACK OXIDE FINISH



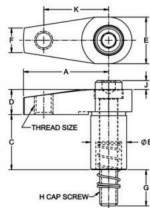
Hook clamps are designed to manually swing into the clamping position, then clamp straight down by screw action. These clamps allow clear loading while swinging away in the unclamped position. Ideal in tight spaces where high clamping force is required. Hooks clamps are available in long arm, long armed tapped or standard arm (short arm, shown here). Available in three sizes, with 5/16-18, 1/2-13, and 5/8-11 mounting screws (M8, M12, and M16 in metric).

These clamps can be mounted in a reamed hole, or in a Hook-Clamp Holder or Hook-Clamp Mounting Block (order separately). For high-rise clamping, Riser Cylinders are available to extend the range of standard Hook-Clamp Holders.

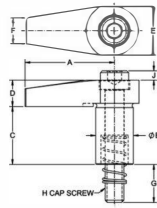


**Tapped Long Arm
Cam Handle**

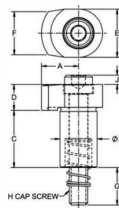
The tapped-arm version is optionally available with a cam handle, to allow clamping without a separate wrench. Use with an adjustable contact bolt to utilize maximum cam travel.



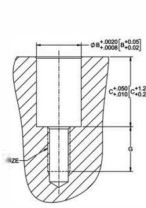
Long Arm



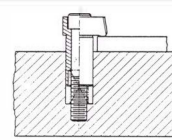
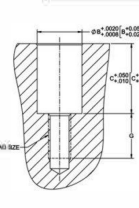
Long Arm-Tapped



Standard Arm



**Installation
Hole**



Compact assembly is easy to install in tight spaces. Socket-head type shown above offers a very low profile.

STANDARD ARM, SOCKET HEAD (INCH)

PART NO.	THREAD SIZE	A	B DIA +0/-0.012	C	D	E	F	G	H	J	MAXIMUM ALLOWABLE TORQUE (ft-lbs)	MAXIMUM CLAMPING FORCE (lbs)
CL-11-CAC	5/16-18	0.75	0.7500	0.91	0.46	0.87	0.65	0.88	5/16-18 x 2.00	0.06	22	2200
CL-21-CAC	1/2-13	1.00	1.0000	1.54	0.70	1.30	1.17	1.01	1/2-13 x 3.00	0.25	34	2700
CL-31-CAC	5/8-11	1.25	1.2500	1.54	0.81	1.44	1.26	1.02	5/8-11 x 3.25	0.51	59	3700

STANDARD ARM, SOCKET HEAD (METRIC)

PART NO.	THREAD SIZE	THREAD PITCH (mm)	A (mm)	B DIA +0/-0.03 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	MAXIMUM ALLOWABLE TORQUE (Nm)	MAXIMUM CLAMPING FORCE (N)
CLM-11-CAC	M8	1.25	19.1	18	23.1	11.8	22.2	16.4	21.5	M8 x 50	1.6	30	10000
CLM-21-CAC	M12	1.75	25.4	25	39.1	17.8	33	29.6	24.5	M12 x 75	5.6	46	12000
CLM-31-CAC	M16	2.00	31.8	30	39	20.7	36.5	32	28.3	M16 x 85	13	80	16000

LONG ARM, SOCKET HEAD (INCH)

PART NO.	THREAD SIZE	A	B DIA +0/-0.012	C	D	E	F	G	H	J	MAXIMUM ALLOWABLE TORQUE (ft-lbs)	MAXIMUM CLAMPING FORCE (lbs)
CL-12-CAC	5/16-18	1.19	0.7500	0.91	0.46	0.87	0.38	0.88	5/16-18 x 2.00	0.06	22	2200
CL-22-CAC	1/2-13	2.37	1.0000	1.54	0.70	1.30	0.69	1.01	1/2-13 x 3.00	0.25	34	2700
CL-32-CAC	5/8-11	2.37	1.2500	1.54	0.81	1.44	0.87	1.02	5/8-11 x 3.25	0.51	59	3700

LONG ARM, SOCKET HEAD (METRIC)

PART NO.	THREAD SIZE	THREAD PITCH (mm)	A (mm)	B DIA +0/-0.03 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	MAXIMUM ALLOWABLE TORQUE (Nm)	MAXIMUM CLAMPING FORCE (N)
CLM-12-CAC	M8	1.25	30.3	18	23.1	11.8	22.2	9.7	21.5	M8 x 50	1.6	30	10000
CLM-22-CAC	M12	1.75	60.3	25	39.1	17.8	33	17.5	24.5	M12 x 75	5.6	46	12000
CLM-32-CAC	M16	2.00	60.3	30	39	20.7	36.5	22.2	28.3	M16 x 85	13	80	16000

TAPPED LONG ARM (INCH)

PART NO.	THREAD SIZE	A	B DIA +0/-0.012	C	D	E	F	G	H	J	K	MAXIMUM ALLOWABLE TORQUE (ft-lbs)	MAXIMUM CLAMPING FORCE (lbs)
CL-13-CAC	5/16-18	1.19	0.7500	0.91	0.46	0.87	0.38	0.88	5/16-18 x 2.00	0.06	0.94	22	2200
CL-23-CAC	1/2-13	2.37	1.0000	1.54	0.70	1.30	0.69	1.01	1/2-13 x 3.00	0.25	1.81	34	2700
CL-33-CAC	5/8-11	2.37	1.2500	1.54	0.81	1.44	0.87	1.02	5/8-11 x 3.25	0.51	1.81	59	3700

TAPPED LONG ARM (METRIC)

PART NO.	THREAD SIZE	THREAD PITCH (mm)	A (mm)	B DIA +0/-0.03 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	MAXIMUM ALLOWABLE TORQUE (Nm)	MAXIMUM CLAMPING FORCE (N)
CLM-13-CAC	M8	1.25	30.3	18	23.1	11.8	22.2	9.7	21.5	M8 x 50	1.6	23.9	30	10000
CLM-23-CAC	M12	1.75	60.3	25	39.1	17.8	33	17.5	24.5	M12 x 75	5.6	46	46	12000
CLM-33-CAC	M16	2.00	60.3	30	39	20.7	36.5	22.2	28.3	M16 x 85	13	46	80	16000

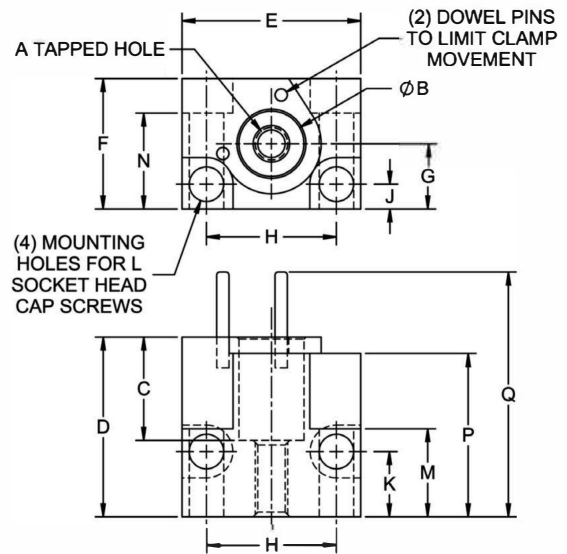
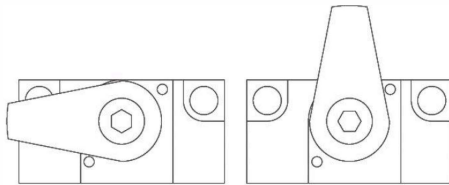
HOOK-CLAMP MOUNTING BLOCKS

1018 STEEL, BLACK OXIDE FINISH



Hook-Clamp Mounting Block
(order Hook-Clamp separately)

These mounting blocks for long-arm Hook Clamps have built-in 90° stops that provide consistent arm positioning in both clamped and unclamped position. Two sets of mounting holes allow either base mounting or side mounting. Precision bored hole for smooth swing action. Available for all three sizes of long-arm Hook Clamps.



HOOK-CLAMP MOUNTING BLOCKS (INCH)

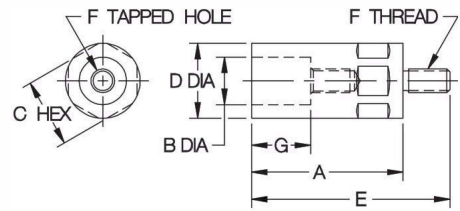
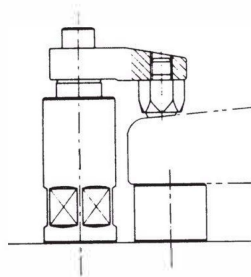
PART NO.	A THREAD	B DIA ±.0006	C	D	E	F	G	H	J	K	L MOUNTING SCREWS	M	N	P	Q
CL-1-CACB	5/16-18	.7514	15/16	1-7/8	2-1/2	1-1/4	1/2	2	1/4	3/4	5/16 or M8	1	29/32	1-3/4	2-1/2
CL-2-CACB	1/2-13	1.0014	1-19/32	2-3/4	2-3/4	2	1	2	3/8	1	1/2 or M12	1-11/32	1-15/32	2-1/2	3-3/4
CL-3-CACB	5/8-11	1.2514	1-17/32	2-3/4	5	2	1	4	1/2	1-1/4	5/8 or M16	1-11/16	1-11/32	2-1/2	3-3/4

HOOK-CLAMP MOUNTING BLOCKS (METRIC)

PART NO.	A THREAD	THREAD PITCH (mm)	B DIA ±.015 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	L MOUNTING SCREWS	M (mm)	N (mm)	P (mm)	Q (mm)
CLM-1-CACB	M8	1.25	18.037	23.6	47.5	50	25.7	11.9	38.1	6.4	18	M6 or 1/4	24.9	18.5	43.9	63.2
CLM-2-CACB	M12	1.75	25.037	39.9	67.1	74.9	38.1	16.5	55.1	8.9	23.9	M10 or 3/8	35.1	27.2	63.8	79.8
CLM-3-CACB	M16	2	30.036	38.9	87.1	87.9	44.5	19.6	65	9.9	32	M12 or 1/2	45	31	83.1	112.5

HOOK-CLAMP HOLDERS

1045 STEEL, BLACK OXIDE FINISH



HOOK-CLAMP HOLDERS (INCH)

PART NO.	F THREAD SIZE	A	B DIA ±.0004	C	D DIA	E	G
CL-1-CACH	5/16-18	2-1/4	.7512	7/8	1	3	15/16
CL-2-CACH-1	1/2-13	3-1/8	1.0012	1-7/16	1-9/16	4-3/8	1-9/16
CL-2-CACH-2		4				5-1/4	
CL-3-CACH-1	5/8-11	3-1/8	1.2512	1-3/4	2	4-3/8	1-17/32
CL-3-CACH-2		4				5-1/4	

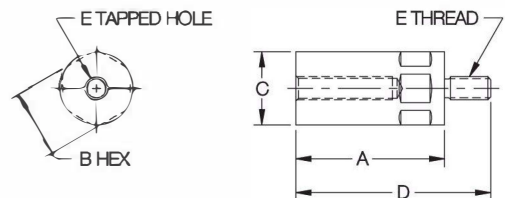
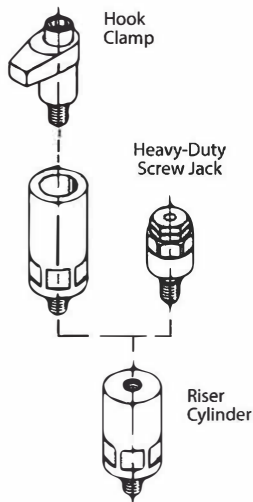
Compact mounting adapter for long-arm Hook-Clamps. Precision bored hole for smooth swing action.

HOOK-CLAMP HOLDERS (METRIC)

PART NO.	F THREAD SIZE	THREAD PITCH	A (mm)	B DIA ±.010	C (mm)	D DIA (mm)	E (mm)	G (mm)
CLM-1-CACH	M8	1.25	55	18.031	22	24	74	23.5
CLM-2-CACH	M12	1.75	80	25.032	36	40	110	40
CLM-3-CACH	M16	2	80	30.030	46	50	110	38.9

RISER CYLINDERS

1045 STEEL, BLACK OXIDE FINISH



Provides additional height without taking up much space. Useful with Hook Clamps, and Heavy-Duty Screw Jacks.

PART NO.	A	B	C DIA	D	E
CL-MF25-5201	1-1/4	7/8	1	2	5/16-18
CL-MF25-5202	1-1/2			2-1/4	
CL-MF25-5203	2			2-3/4	
CL-MF40-5201	2	1-7/16	1-9/16	3-1/4	1/2-13
CL-MF40-5203	3-1/8			4-3/8	
CL-MF40-5204	4			5-1/4	
CL-MF50-5201	2	1-13/16	2	3-1/4	5/8-11
CL-MF50-5203	3-1/8			4-3/8	
CL-MF50-5204	4			5-1/4	