

ONE-TOUCH QUICK-ACTING SWING CLAMPS

BASE, SPINDLE, AND LEVER: 1045 STEEL, HEAT TREATED, BLACK OXIDE FINISH
CLAMPING-ARM BODY AND SPIRAL-CAM SHAFT: ALLOY STEEL, HEAT TREATED, BLACK OXIDE FINISH
KNOB HANDLE: BLACK PHENOLIC PLASTIC

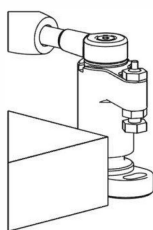
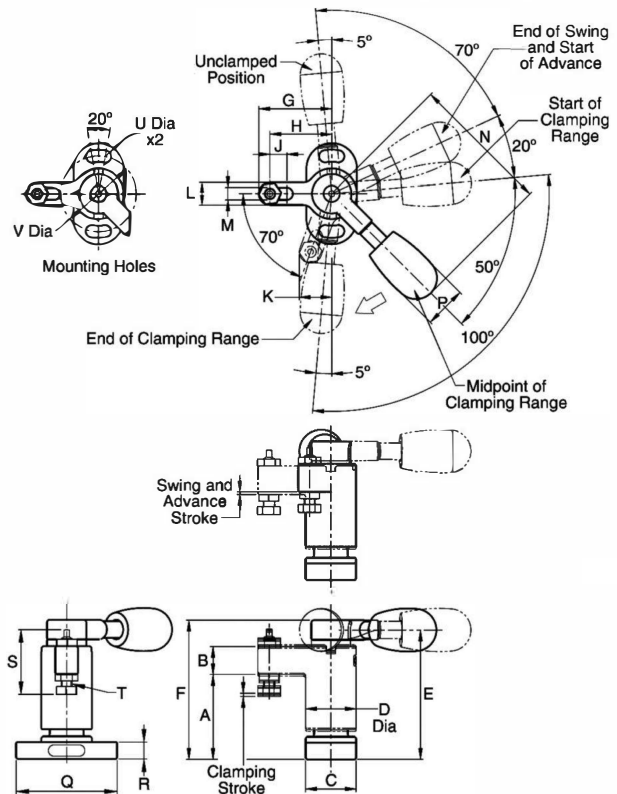


**Horizontal
Cam Lever**

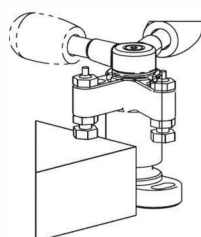
One-Touch Swing Clamps are manually operated clamps that first rotate 70° clockwise into position then clamp straight down in one continuous motion. The version shown here is operated by a radial cam lever that swings in an horizontal arc. Available in four sizes.

Starting with the clamping arm swung away for loading, turn the lever to rotate the arm into clamping position and automatically move the arm downward to apply clamping force. A small portion of the total vertical stroke is used to swing, and slightly advance the clamping arm, then the remaining stroke is available as the clamping range. To unclamp, reverse the lever movement to lift the arm straight up and automatically return the arm to its original position for loading.

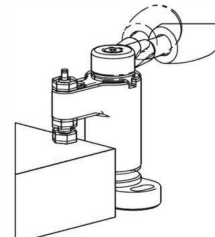
Mount clamp with two socket-head cap screws using the two mounting slots. To allow for workpiece variation, adjust spindle extension so that full clamping force is achieved approximately in the middle of the lever's 100° clamping range.



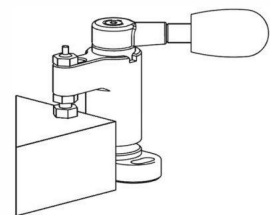
1. Starting position, with clamping arm swung away for loading.



2. Turn lever (70°) to rotate the arm into clamping position.



3. Continue turning lever (through 90°) to advance the arm toward the workpiece.



4. Continue turning lever (90° to 190°) until full clamping force is applied.

HORIZONTAL CAM LEVER (INCH)

PART NO.	MAX CLAMPING FORCE (LBS)	MAX. ALLOWABLE TORQUE (FT-LBS)	SWING AND ADVANCE STROKE	CLAMPING STROKE (MAX.)	A			B	C	D DIA	E	F	G	H	J	K	L	M	N	P DIA	Q	R	S	T SOCKET SET-SCREW	U DIA	V DIA
					UN-CLAMPED POSITION	START OF CLAMPING RANGE	END OF CLAMPING RANGE																			
CL-100-QSCR	250	4	.03	.04	1.21	1.18	1.14	.39	.71	.71	1.80	1.93	1.02	.87	.24	.45	.31	.169	1.97	.59	1.42	.24	.88	#8-32	.169	1.063
CL-150-QSCR	400	7	.04	.06	1.62	1.58	1.52	.55	.91	.91	2.41	2.60	1.38	1.18	.31	.60	.39	.209	2.48	.79	1.77	.31	1.00	#10-24	.209	1.339
CL-200-QSCR	500	12	.05	.06	2.02	1.97	1.91	.71	1.18	1.18	3.01	3.23	1.77	1.46	.31	.81	.63	.331	3.15	1.02	2.56	.47	1.50	5/16-18	.331	1.890
CL-300-QSCR	800	23	.07	.07	2.43	2.36	2.29	.87	1.57	1.57	3.66	3.94	2.17	1.77	.31	1.00	.79	.409	3.94	1.30	3.35	.59	2.00	3/8-16	.409	2.520

ONE-TOUCH QUICK-ACTING SWING CLAMPS

BASE, WASHER, AND SPINDLE: 1045 STEEL, HEAT TREATED, BLACK OXIDE FINISH

CLAMPING-ARM BODY AND CAM HANDLE: ALLOY STEEL, HEAT TREATED, BLACK OXIDE FINISH

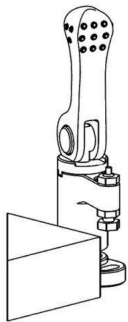
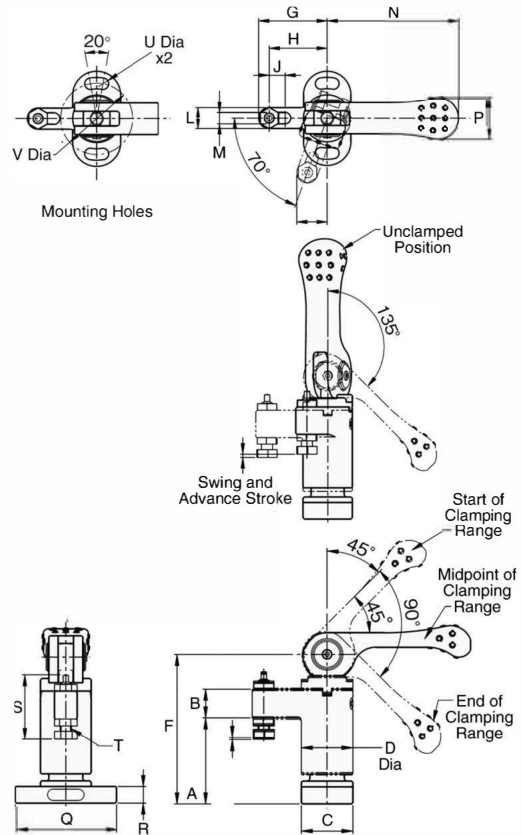


**Vertical
Cam Handle**

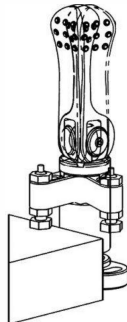
One-Touch Swing Clamps are manually operated clamps that first rotate 70° clockwise into position then clamp straight down in one continuous motion. The version shown here is operated by a cam handle that swings in a vertical arc. Ideal for confined spaces with no room for a horizontal handle swing. Available in four sizes.

Starting with the handle upright and the clamping arm swung away for loading, first twist the handle to rotate the arm into clamping position, then push the handle downward to lower the arm and apply clamping force. A small portion of the total vertical stroke is used to swing, and slightly advance the clamping arm, then the remaining stroke is available as the clamping range. Reverse the process to unclamp and return the arm to its original position for loading.

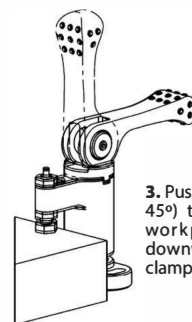
Mount clamp with two socket-head cap screws using the two mounting slots. To allow for workpiece variation, adjust spindle extension so that full clamping force is achieved approximately in the middle of the lever's 100° clamping range.



1. Starting position, with handle upright and clamping arm swung away for loading.



2. Twist handle (70°) to rotate the arm into clamping position.



3. Push handle downward (through 45°) to advance the arm to the workpiece. Continue pushing downward (45° to 135°) until full clamping force is applied.

VERTICAL CAM HANDLE (INCH)

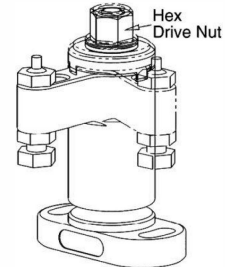
PART NO.	MAX CLAMPING FORCE (LBS)	MAX. ALLOWABLE TORQUE (FF-LBS)	SWING AND ADVANCE STROKE	CLAMPING STROKE (MAX.)	A			B	C	D DIA	F	G	H	J	K	L	M	N	P	Q	R	S	T SOCKET SET-SCREW	U DIA	V DIA
					UN-CLAMPED POSITION	START OF CLAMPING RANGE	END OF CLAMPING RANGE																		
CL-100-QSCV	180	4	.03	.04	1.21	1.18	1.14	.39	.71	.71	2.05	1.02	.87	.24	.45	.31	.169	1.97	.63	1.42	.24	.88	#8-32	.169	1.063
CL-150-QSCV	340	7	.04	.06	1.62	1.58	1.52	.55	.91	.91	2.68	1.38	1.18	.31	.60	.39	.209	2.48	.75	1.77	.31	1.00	#10-24	.209	1.339
CL-200-QSCV	470	12	.05	.06	2.02	1.97	1.91	.71	1.18	1.18	3.43	1.77	1.46	.31	.81	.63	.331	3.15	.94	2.56	.47	1.50	5/16-18	.331	1.890
CL-300-QSCV	630	22	.07	.07	2.43	2.36	2.29	.87	1.57	1.57	4.21	2.17	1.77	.31	1.00	.79	.409	3.94	1.8	3.35	.59	2.00	3/8-16	.409	2.520

ONE-TOUCH QUICK-ACTING SWING CLAMPS

BASE, WASHER, SPINDLE, AND HEX DRIVE NUT: 1045 STEEL, HEAT TREATED, BLACK OXIDE FINISH
CLAMPING-ARM BODY: ALLOY STEEL, HEAT TREATED, BLACK OXIDE FINISH



Hex
Drive

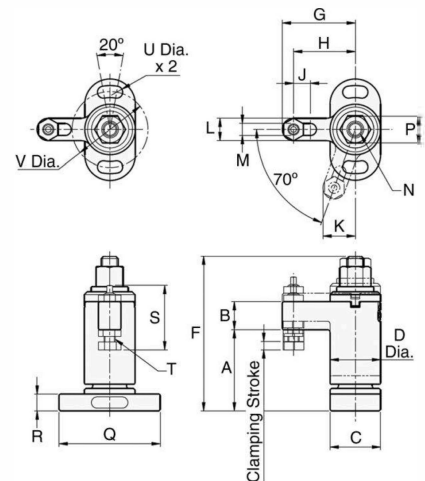


Starting with the clamping arm swung away for loading, tighten the flange nut to rotate the arm into clamping position and automatically move the arm downward to apply clamping force.

One-Touch Swing Clamps are manually operated clamps that first rotate 70° clockwise into position then clamp straight down in one continuous motion. The version shown here is operated by a screw mechanism with a hex drive nut. This allows for exact clamping-force control using a torque wrench. The screw mechanism also provides a longer clamping stroke and greater clamping force than the versions with cam locking. Available in four sizes.

Starting with the clamping arm swung away for loading, tighten the hex drive nut to rotate the arm into clamping position and automatically move the arm downward to apply clamping force. A small portion of the total vertical stroke is used to swing the clamping arm, then the remaining stroke is available as the clamping range. To unclamp, turn the flange nut counterclockwise to lift the arm straight up and automatically return the arm to its original position for loading.

Mount clamp with two socket-head cap screws using the two mounting slots. To allow for workpiece variation, adjust spindle extension so that full clamping force is achieved approximately in the middle of the lever's 100° clamping range.



HEX DRIVE (INCH)

PART NO.	MAX CLAMPING FORCE (LBS)	MAX. ALLOWABLE TORQUE (FF-LBS)	SWING AND ADVANCE STROKE	CLAMPING STROKE (MAX.)	A			B	C	D Dia.	F	G	H	J	K	L	M	N	P	Q	R	S	T SOCKET SET- SCREW	U Dia.	V Dia.
					UN- CLAMPED POSITION	START OF CLAMPING RANGE	END OF CLAMPING RANGE																		
CL-100-QSCH	500	4.5	.02	.12	1.16	1.14	1.02	.39	.71	.71	2.22	1.02	.87	.24	.45	.31	.169	1/4-20	7/16	1.42	.24	.88	#8-32	.169	1.063
CL-150-QSCH	800	8	.02	.16	1.56	1.54	1.38	.55	.91	.91	2.89	1.38	1.18	.31	.60	.39	.209	5/16-18	1/2	1.77	.31	1.00	#10-24	.209	1.339
CL-200-QSCH	1300	21	.03	.16	1.92	1.89	1.73	.71	1.18	1.18	3.58	1.77	1.46	.31	.81	.63	.331	3/8-16	9/16	2.56	.47	1.50	5/16-18	.331	1.890
CL-300-QSCH	1700	33	.03	.20	2.31	2.28	2.08	.87	1.57	1.57	4.49	2.17	1.77	.31	1.00	.79	.409	1/2-13	3/4	3.35	.59	2.00	3/8-16	.409	2.520