

Lo-Profile Micro™ Clamps

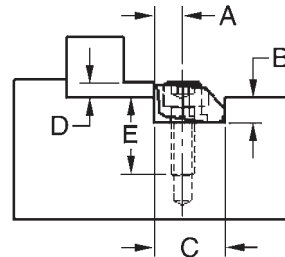


Problem: You require a clamping device which can grip low on a work piece, has exceptional horizontal and vertical holding force, and can be mounted below the fixture plate surface.

Solution: Jergens new Lo-Profile Micro clamps are the answer!

Material:

- Available in tool steel or brass
- Extraordinary horizontal and vertical force
- Extremely low profile – as low as .075
- Very small foot print
- High resistance to pull-out
- Choose among three sizes with inch or metric screws
- Knife and blunt edge styles



Lo-Profile Micro™ Clamps

Part Number	Description	A	B	C	D*	E	Clamp Width	Screw Size	Torque (ft/lbs)	Max. Holding Force (lbs)	Total Throw	Clamps Per Package
13201	Tool Steel, Knife Edge	.150	.140	.375	.075	.260	.375	4-40	1.30	650	.0075	8
13202	Tool Steel, Blunt Edge	.150	.140	.375	.075	.260	.375	4-40	1.30	650	.0075	8
13203	Brass, Blunt Edge	.150	.140	.375	.075	.220	.375	4-40	.41	200	.0075	8
13211	Tool Steel, Knife Edge	.200	.187	.500	.100	.390	.500	8-32	3.70	1,500	.0160	8
13212	Tool Steel, Blunt Edge	.200	.187	.500	.100	.390	.500	8-32	3.70	1,500	.0160	8
13213	Brass, Blunt Edge	.200	.187	.500	.100	.340	.500	8-32	2.00	400	.0160	8
13221	Tool Steel, Knife Edge	.300	.280	.750	.150	.570	.750	1/4-20	14.50	3,600	.0240	6
13222	Tool Steel, Blunt Edge	.300	.280	.750	.150	.570	.750	1/4-20	14.50	3,600	.0240	6
13223	Brass, Blunt Edge	.300	.280	.750	.150	.440	.750	1/4-20	4.10	950	.0240	6
13224	Tool Steel, Knife Edge	.400	.450	1.000	.250	.710	1.000	3/8-16 x 1"	30.00	6,000	0.050	4
13225	Tool Steel, Blunt Edge	.400	.450	1.000	.250	.710	1.000	3/8-16 x 1"	30.00	6,000	0.050	4
13226	Tool Steel, Knife Edge	.600	.640	1.500	.375	.710	1.500	1/2-13 x 1 1/4"	108.30	12,000	0.075	2
13227	Tool Steel, Blunt Edge	.600	.640	1.500	.375	.710	1.500	1/2-13 x 1 1/4"	108.30	12,000	0.075	2

* Combination horizontal and vertical force.

Metric Lo-Profile Micro™ Clamps

Part Number	Description	A	B	C	D*	E	Clamp Width	Screw Size	Max. Holding Force (N)	Torque (Nm)	Total Throw	Clamps Per Package
13251	Tool Steel, Knife Edge	3.81	3.55	9.52	1.90	—	9.52	M2.5	2,800	1.8	.190	8
13252	Tool Steel, Blunt Edge	3.81	3.55	9.52	1.90	—	9.52	M2.5	2,800	1.8	.190	8
13253	Brass, Blunt Edge	3.81	3.55	9.52	1.90	—	9.52	M2.5	875	.56	.190	8
13261	Tool Steel, Knife Edge	5.08	4.75	12.70	2.54	—	12.70	M4	6,600	5.6	.406	8
13262	Tool Steel, Blunt Edge	5.08	4.75	12.70	2.54	—	12.70	M4	6,600	5.6	.406	8
13263	Brass, Blunt Edge	5.08	4.75	12.70	2.54	—	12.70	M4	1,750	2.8	.406	8
13271	Tool Steel, Knife Edge	7.62	7.11	19.05	3.81	—	19.05	M6	16,000	22.5	.610	6
13272	Tool Steel, Blunt Edge	7.62	7.11	19.05	3.81	—	19.05	M6	16,000	22.5	.610	6
13273	Brass, Blunt Edge	7.62	7.11	19.05	3.81	—	19.05	M6	4,200	5.6	.610	6
13274	Tool Steel, Knife Edge	10.16	11.43	25.40	6.350	18.03	25.40	M10 x 25mm	26,000	40.6	1.270	4
13275	Tool Steel, Blunt Edge	10.16	11.43	25.40	6.350	18.03	25.40	M10 x 25mm	26,000	40.6	1.270	4
13276	Tool Steel, Knife Edge	15.24	16.26	38.10	9.520	19.56	38.10	M12 x 30mm	50,000	145.0	1.900	2
13277	Tool Steel, Blunt Edge	15.24	16.26	38.10	9.520	19.56	38.10	M12 x 30mm	50,000	145.0	1.900	2

* Combination horizontal and vertical force.

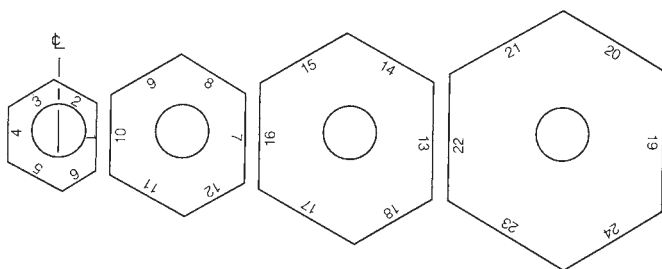
Adjustable Micro™ Clamps



Measured from the centerline, each face of these low profile clamps increases 1mm (.0394) from the smallest to the largest face.

Adjustable Micro Clamps decrease design and set-up times for modular fixtures, work cubes, and standard fixtures. Without changing hole locations, clamping range from 12mm to 35mm can be achieved.

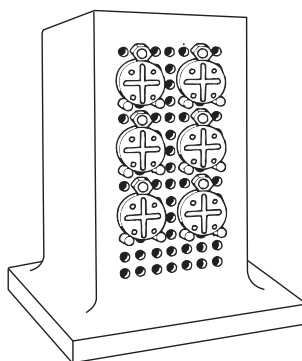
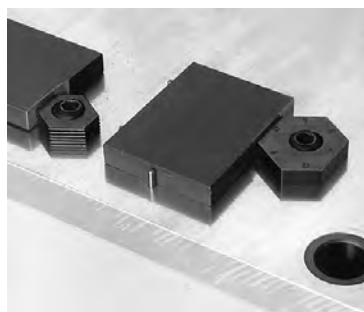
The clamps are available with either smooth or serrated faces which make them ideal for clamping machined parts, castings, and rough cut stock. The clamps work with a cam action, always following the contour of the workpiece for maximum surface contact.



- Cam action
- Low profile
- Available in four sizes
- Heat treated and plated
- Serrated or smooth edges
- Adjustable clamps and stops
- Includes Cam Screw*

Face #	Distance From Center Line	Face #	Distance From Center Line	Face #	Distance From Center Line	Face #	Distance From Center Line
1	12mm (.4724)	7	18mm (.7086)	13	24mm (.9449)	19	30mm (1.1811)
2	13mm (.5118)	8	19mm (.7480)	14	25mm (.9842)	20	31mm (1.2205)
3	14mm (.5512)	9	20mm (.7874)	15	26mm (1.0236)	21	32mm (1.2598)
4	15mm (.5906)	10	21mm (.8268)	16	27mm (1.0630)	22	33mm (1.2992)
5	16mm (.6299)	11	22mm (.8661)	17	28mm (1.1024)	23	34mm (1.3386)
6	17mm (.6693)	12	23mm (.9055)	18	29mm (1.1417)	24	35mm (1.3780)

Locking Screw is 1/2-13 for inch sizes and 12M for metric sizes; total distance of movement is .100".

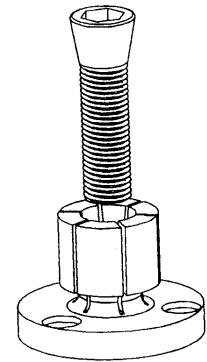
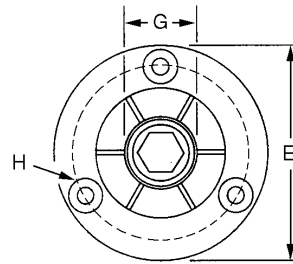
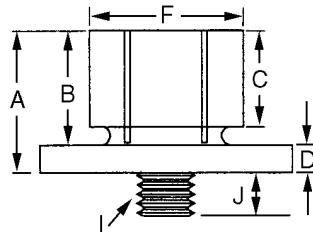


Inch Part Number	Metric Part Number	Description
68601	68651	1-6 smooth
68602	68652	7-12 smooth
68603	68653	13-18 smooth
68604	68654	19-24 smooth
68611	68661	1-6 serrated
68612	68662	7-12 serrated
68613	68663	13-18 serrated
68614	68664	19-24 serrated

All clamps include a cam screw. Clamps are 10mm (.394) thick.

Part Number	Thread	Max. Torque Holding Force
68202	Cam Screw 1/2-13	65 Ft/lbs. – 4000 lbs.
68199	Cam Screw M12	88N.M. – 17,800 N.

ID Expansion Clamp



The ID expansion clamp is the ideal way to hold parts on an inside diameter for multiple machining on a vertical or horizontal machining center.

The larger diameter of the clamp is held to a close tolerance for precision locating in a machined pocket on work cubes and fixture plates.

The customer machines the mild steel clamp to match the bore of the part ensuring proper fit. Often times the clamps can be remachined for different size jobs.

- Body Material: Mild Steel
- Low Profile
- Ideal for Secondary Operations on Lathe Parts
- Easily Machined to Size on Lathe or Mill
- Excellent for Palletized Setups
- Allows More Parts Per Workcube or Fixture Plate
- Tighten with Hex Key or Hydraulic Pull Cylinders (Drill clearance hole for longer bolt into hydraulic cylinder)
- Instructions included with each clamp



Part Number	A	B	C	D	+0.000 -0.002 E	F	G+	H*	I	J	Torque (ft/lbs)	Holding Force (lbs)	Replacement Screw
68401	.42	.30	.24	.12	.787	.29	.16	2-56 on .540 BHC	2-56	.16	.05	250	68900
68402	.86	.63	.59	.23	1.170	.49	.28	6-32 on .825 BHC	8-32	.30	3.6	950	68901
68403	.98	.75	.59	.23	1.240	.56	.48	6-32 on .910 BHC	1/4-20	.50	13.3	1,900	68902
68404	.98	.75	.59	.23	1.476	.79	.53	6-32 on 1.140 BHC	5/16-18	.56	27.6	2,500	68903
68405	1.13	.88	.69	.25	1.968	1.06	.71	8-32 on 1.550 BHC	3/8-16	.71	49.3	4,500	68904
68406	1.25	1.0	.81	.25	2.205	1.39	.90	8-32 on 1.790 BHC	1/2-13	.71	120.0	5,900	68905
68407	1.56	1.25	1.06	.31	2.736	1.65	1.15	10-32 on 2.200 BHC	5/8-11	.79	224.0	10,000	68906
68408	1.56	1.25	1.06	.31	2.972	2.03	1.15	10-32 on 2.515 BHC	5/8-11	.79	224.0	10,000	68906
68409	1.79	1.48	1.27	.31	4.232	3.06	1.15	1/4-20 on 3.646 BHC	5/8-11	.79	224.0	10,000	68907
68410	1.79	1.48	1.27	.31	5.232	4.06	1.15	1/4-20 on 4.648 BHC	5/8-11	.79	224.0	10,000	68907
68411	1.79	1.48	1.27	.31	6.89	5.23	1.15	1/4-20 on 4.648 BHC	5/8-11	.79	224.0	10,000	68907
68412	1.79	1.48	1.27	.31	9.85	6.00	1.15	1/4-20 on 5.250 BHC	5/8-11	.79	125.0	6,000	68907

Metric

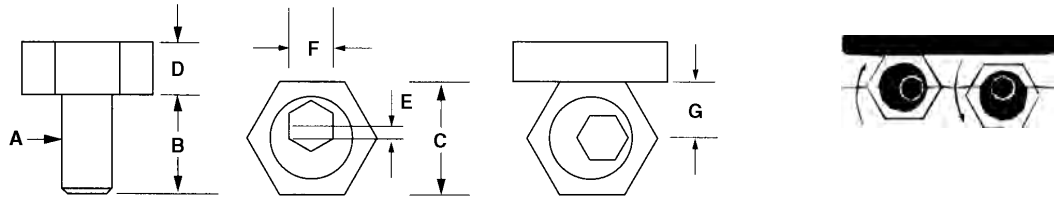
Part Number	A	B	C	D	+0.00 -0.05 E	F	G+	H*	I	J	Torque (Nm)	Holding Force (N.)	Replacement Screw
68829	10.7	7.6	6.1	3.0	20.0	7.4	4.1	M2 on 13.7 BHC	M2	4.1	.70	1,113	68909
68830	21.8	16.0	15.0	5.9	29.72	12.4	8.0	M3 on 20.95 BHC	M4	7.2	5.00	4,228	68910
68831	24.9	19.0	15.0	5.9	31.5	14.2	12.2	M3 on 23.1 BHC	M6	11.2	17.00	8,455	68911
68832	24.9	19.0	15.0	5.9	37.5	20.0	13.5	M3 on 29.0 BHC	M8	13.2	34.00	11,125	68912
68833	28.6	22.2	17.5	6.4	50.0	27.0	18.0	M4 on 39.4 BHC	M10	16.3	60.00	20,025	68913
68834	31.8	25.4	20.6	6.4	56.0	35.3	23.0	M4 on 45.5 BHC	M12	20.3	150.00	26,255	68914
68835	39.6	31.8	27.0	7.9	69.5	42.0	29.3	M5 on 55.9 BHC	M16	21.4	280.00	44,500	68915
68836	39.6	31.8	27.0	7.9	75.5	51.5	29.3	M5 on 63.9 BHC	M16	21.4	280.00	44,500	68915
68837	45.5	37.6	32.3	7.9	107.5	77.7	29.3	M6 on 92.6 BHC	M16	19.3	280.00	44,500	68916
68838	45.5	37.6	32.3	7.9	132.90	103.0	29.3	M6 on 118.06 BHC	M16	19.3	280.00	44,500	68916
68839	45.5	37.6	32.3	7.9	175.0	132.9	29.3	M6 on 118.06 BHC	M16	19.3	280.00	44,500	68916
68850	45.5	37.6	32.3	7.9	250.2	152.4	29.3	M6 on 133.35 BHC	M16	19.3	170.00	26,000	68916

* (3) Mounting Screws Included

+ Minimum diameter the "F" dimension can be machined too.

LOW PROFILE CLAMPING

Micro™ Clamps



Jergens Micro™ Clamps feature both high hold down forces and low profiles, which makes them ideal for building fixtures on Ball Lock® fixturing plates. Two simple components make them work: a hardened steel socket cap screw with an offset head and a hexagonal washer. A half turn tightens or loosens the workpiece.

- Low profile makes computer programming easier
- Cam action provides fast, strong clamping
- Small size allows more parts per load
- Requires only a tapped hole in your fixture
- Available in stainless steel
- Note clockwise rotation recommended workpiece stop should be on the right of the Clamp.

Part Number Steel	Part Number Stainless	A	B	C	D	Total Distance of Measurement E	Key Size F	G*	Maximum Holding Force	Replacement Screw
68501	—	8-32	.350	.312	.110	.030	5/64	.150	205	68521
68502	—	10-32	.340	.500	.160	.040	3/32	.250	350	68533
68503	68153	1/4-20	.470	.625	.190	.040	1/8	.308	800	68523
68505	—	5/16-24	.460	.812	.190	.040	3/16	.400	750	68525
68506	68515	5/16-18	.460	.812	.190	.040	3/16	.400	750	68526
68507	—	3/8-16	.710	.812	.250	.050	3/16	.400	2,000	68527
68509	—	1/2-13	.900	1.000	.375	.100	5/16	.500	4,000	68529
68511	—	5/8-11	1.125	1.187	.500	.100	3/8	.590	6,000	68531

* This measurement is the correct location to drill and tap the hole from the edge of the work piece.

Metric

Part Number Steel	Part Number Stainless	A	B	C	D	Total Distance of Measurement E	Key Size F	G*	Maximum Holding Force (N)
68571	—	M4 x 0.7	9.6	7.93	2.8	.76	3	3.8	910
68572	68551	M6 x 1.0	11.2	15.86	4.75	1.01	4	7.8	3,558
68573	68553	M8 x 1.25	15.0	20.61	4.75	1.01	5	10.15	3,355
68574	—	M10 x 1.5	19.0	20.61	6.35	1.52	7	10.15	8,895
68575	—	M12 x 1.75	22.8	25.38	9.52	2.03	8	12.7	17,790
68576	—	M16 x 2.0	28.5	30.13	12.69	2.54	12	15.0	26,680

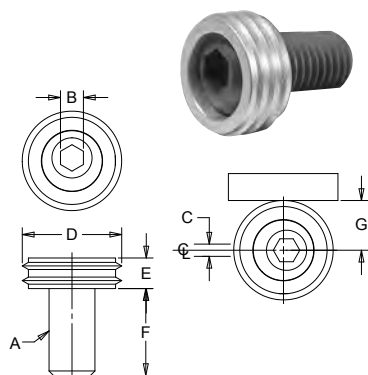
* This measurement is the correct location to drill and tap the hole from the edge of the work piece.

Replacement Screws available, contact customer service for more information.

Knife Edge Clamps

Knife edge clamps can be used for clamping rough cut stock, castings, or any material that requires a hardened clamping element. Hardened steel, brass-plated.

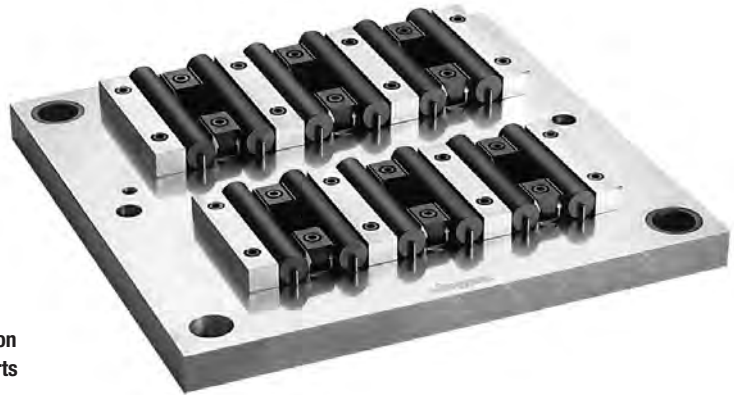
Replacement Screws available, contact customer service for more information.



Part Number	A	B	C	D	E	F	G*	Torque (ft. lbs)	Max. Holding Force (lbs)
68547	3/8-16	3/16	0.050	0.812	0.250	0.710	0.400	16.6	2,000
68548	1/2-13	5/16	0.080	1.000	0.375	0.900	0.500	52	4,000
68549	5/8-11	3/8	0.100	1.187	0.500	1.125	0.590	80	6,000
Metric								(Nm)	(N)
68840	M10	7M	1.27	20.60	6.35	19.00	10.15	28	8,900
68841	M12	8M	2.03	25.40	9.52	22.80	12.70	88	17,800
68842	M16	12M	2.54	30.15	12.70	28.50	15.00	135	26,700

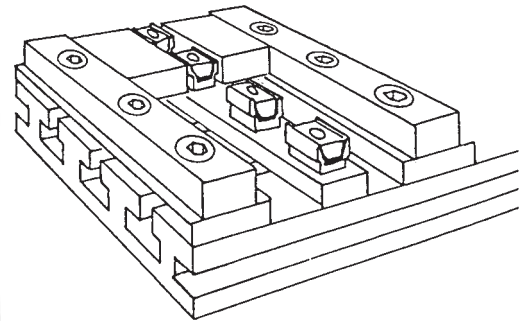
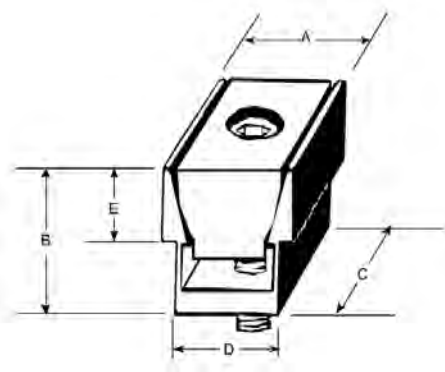
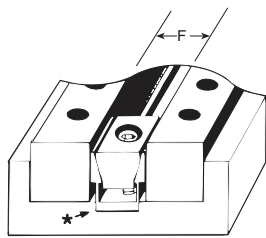
* This measurement is the correct location to drill and tap the hole from the edge of the work piece.

Expanding Micro™ Clamps



Jergens Expanding Micro Clamps allow you to fixture more parts on your fixture plates. The unique expanding design can hold two parts at once when used with a positive stop.

- Minimizes tool changes
- Holds two parts with equilateral clamping action
- Ideal for clamping flat or round work pieces
- Reduces wasted space
- Aluminum Housing, Steel Wedge



*A shallow slot, a little wider than D dimension, will insure clamp remains in line with workpiece.

Part Number	A	B	C	D*	E	F†	Thread Size	Maximum Spread	Maximum Holding Force (lbs)	Key Size
68706	.240	.250	.320	.210	.100	.250	2-56	.265	200	5/64
68707	.360	.380	.470	.310	.185	.375	4-40	.395	310	3/32
68701	.485	.500	.625	.410	.220	.500	8-32	.540	500	9/64
68702	.735	.750	.940	.632	.375	.750	1/4-20	.800	1,500	3/16
68703	.980	1.00	1.250	.820	.500	1.000	5/16-18	1.060	2,000	1/4
68704	1.470	1.50	1.875	1.215	.750	1.500	1/2-13	1.590	3,500	3/8
68705	1.960	2.00	2.500	1.625	1.000	2.000	5/8-11	2.100	6,000	1/2

Metric

Part Number	A	B	C	D*	E	F†	Thread Size	Maximum Spread	Maximum Holding Force (N)	Key Size
68716	6.1	6.9	8.1	5.3	3.6	6.4	M2	6.7	880	1.5
68717	9.1	9.7	11.9	7.9	4.7	9.5	M2.5	10	1,350	2
68711	12.3	14.5	15.9	10.4	5.6	12.7	M4	13.2	2,224	3
68712	18.6	19.0	23.8	16.1	9.5	19.0	M6	20.3	6,670	5
68713	24.8	25.9	31.7	20.8	12.7	25.4	M8	26.9	8,895	6
68714	37.3	38.6	47.6	30.8	19.0	38.1	M12	39.9	15,565	10
68715	49.7	51.5	63.5	41.2	25.4	50.8	M16	53.0	26,690	14

†F is the distance needed between workpieces for clamp clearance. Drill and tap mounting hole on the center of F dimension.

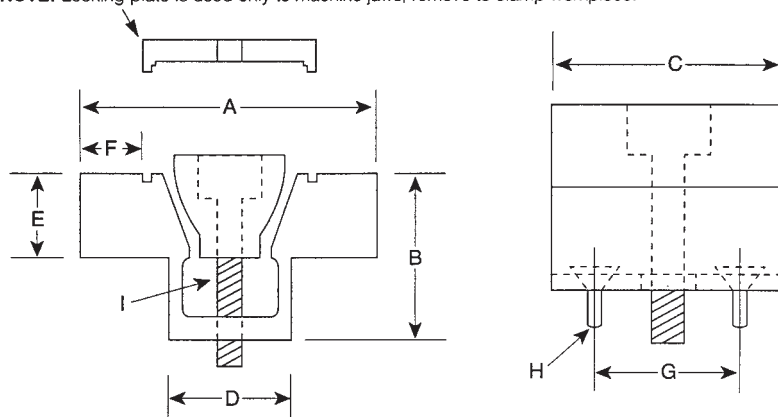
Machinable Expanding Micro™ Clamps



The compact Machinable Expanding Micro™ Clamp is available with extra material on the clamping jaw so it can be machined to conform to the shape of your workpiece – enabling you to fixture unusual applications easily. The specially designed steel wedge spreads the clamping force uniformly on both sides of the aluminum channel. Clamps may be ordered with a unique locking plate to make the clamp rigid while machining the jaw to your specifications, without vibration.

- Material: Channel 7075-76 Aluminum
- Mounting Screws Included
- Compact Design
- Allows more parts to be mounted on Fixture

NOTE: Locking plate is used only to machine jaws, remove to clamp workpiece.



Part Number With Locking Plate	Part Number Without Locking Plate	A*	B	C	D	E	F†	G	Mounting Screw **H	I	Maximum Holding Force (lbs)	Recommended Expansion Stroke (in)
68770	68771	1.125	0.50	0.62	0.420	0.18	0.18	0.400	2-56	8-32	500	0.015
68772	68773	1.500	0.75	0.94	0.632	0.37	0.26	0.624	6-32	1/4-20	1,500	0.015
68774	68775	2.000	1.00	1.25	0.820	0.50	0.39	0.812	6-32	5/16-18	2,000	0.020
68776	68777	3.000	1.50	1.87	1.215	0.75	0.62	1.200	10-32	1/2-13	3,500	0.030
68778	68779	4.000	2.00	2.50	1.625	1.00	0.80	1.625	1/4-20	5/8-11	6,000	0.040

* The distance needed between workpieces for clamp clearance, drill and tap mounting holes on the center of "A" dimension.

† The amount of machinable stock on jaws.

** Mounting Screws Included

Metric

Part Number With Locking Plate	Part Number Without Locking Plate	A*	B	C	D	E	F†	G	Mounting Screw **H	I	Maximum Holding Force (N)	Recommended Expansion Stroke (mm)
68870	68871	28.6	12.7	15.7	10.67	6.3	4.6	10.16	M2	M4	2,224	0.4
68872	68873	38.1	19.1	23.9	16.05	9.4	6.6	15.87	M4	M6	6,670	0.4
68874	68875	50.8	25.4	31.8	20.83	12.7	9.9	20.62	M4	M8	8,895	0.6
68876	68877	76.2	38.1	47.5	30.86	19.1	15.7	30.48	M5	M12	15,565	0.8
68878	68879	101.6	50.8	63.5	41.28	25.4	20.3	41.28	M6	M16	26,690	1.1

* The distance needed between workpieces for clamp clearance, drill and tap mounting holes on the center of "A" dimension.

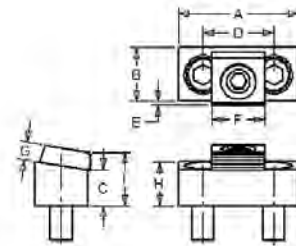
† The amount of machinable stock on jaws.

** Mounting Screws Included

Micro™ Toe Clamps



This cam action fixture clamp provides positive down force while using very little space on the fixture. Workpieces can be clamped in series by using the back surface of a clamp to locate the next workpiece. The hardened steel clamping element has both a smooth surface for machined workpieces and a serrated clamping surface for rougher work. The height of the clamp can be adjusted by milling the slot deeper in the fixture plate.



Part Number	A	B	C	D	E†	F	G	H	I	Cam Screw	Distance of Movement	Mounting Screws	Torque (ft/lbs)	Holding Force(lbs)
68731	1.70	.75	.50	1.00	.090	.75	.25	.62	.845	68527	.050	5/16-18 x 3/4 LH	20.8	2,000
68732	2.12	1.00	.45	1.32	.110	1.00	.38	.62	.960	68529	.100	3/8-16 x 3/4 LH	65.0	4,000
68733	2.95	1.50	.99	2.00	.130	1.50	.50	1.25	1.70	68531	.100	1/2-13 x 1 1/4 SHCS	100.0	6,000

† "E" is the distance needed between the front of the clamp base and the workpiece.

Metric

Part Number	A	B	C	D	E†	F	G	H	Cam Screw	Distance of Movement	Mounting Screws	Torque (ft/lbs)	Holding Force(lbs)
68781	43.2	19.0	12.7	25.4	2.3	19.0	6.4	15.75	M10	1.6	M8	28.0	8,900
68782	54.0	25.4	11.4	33.5	2.8	25.4	9.7	15.75	M12	2.0	M10	88.0	17,800
68783	75.0	38.1	25.2	50.8	3.3	38.1	12.7	2.5	M16	—	M12	—	—

† "E" is the distance needed between the front of the clamp base and the workpiece.

Micro™ T-Slot Toe Clamps



This clamp is like the Micro Toe Clamp, only it is designed to be used in the T-slots of machine tables. It provides positive down force while maintaining a low profile. The hardened steel clamping element has both a smooth surface for machined work pieces and a serrated clamping surface for rougher work.

Inch

Part Number	T-Slot Size	A	B	C	D	E	F ¹	F ²	Max. Torque/Holding Force (Ft Lbs/Lbs)
68750	No T-nut or Mtg. Screw	1.94	1.12	0.62	1.00	0.38	1.00	0.875	65/4,000
68741	9/16	1.94	1.12	0.62	1.00	0.38	1.00	0.875	65/4,000
68742	5/8	1.94	1.12	0.62	1.00	0.38	1.00	0.875	65/4,000
68743	11/16	1.94	1.12	0.62	1.00	0.38	1.00	0.875	65/4,000
68744	3/4	1.94	1.12	0.62	1.00	0.38	1.00	0.875	65/4,000

Metric

Part Number	T-Slot Size	A	B	C	D	E	F ¹	F ²	Max Torque/Holding Force (N.m./N.)
68791	14	50	28.5	15.7	25.4	9.6	25.4	22.2	88.00/17,800
68792	16	50	28.5	15.7	25.4	9.6	25.4	22.2	88.00/17,800
68793	18	50	28.5	15.7	25.4	9.6	25.4	22.2	88.00/17,800
68794	No T-nut or Mtg. Screw	50	28.5	15.7	25.4	9.6	25.4	22.2	88.00/17,800

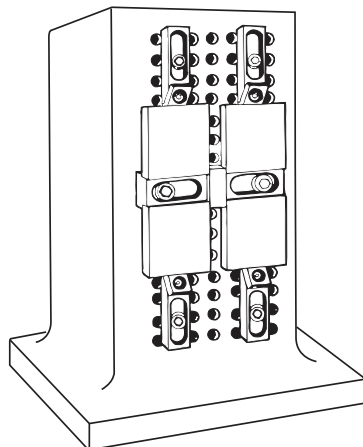
F¹ - The distance from the top of the back of the washer to the bottom of the clamp body.
 F² - The distance from the top of the front of the washer to the bottom of the clamp body.

Metric

Part Number	T-Slot Size	Part Number	T-Slot Size
68750	No T-nut or Mtg. Screw	68791	14
68741	9/16	68792	16
68742	5/8	68793	18
68743	11/16	68794	No T-nut or Mtg. Screw
68744	3/4		

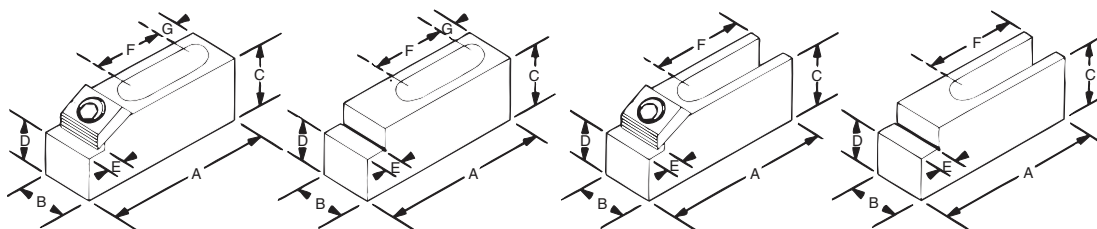
Torque mounting bolt to 110 Ft/Lbs (150 N.m.)

Micro™ Edge Clamps



The Micro Edge Clamp offers increased versatility through its unique elevated clamping abilities.

- Workpiece is elevated for through milling and drilling
- Cam action provides positive holddown force
- Provides flexible set-ups for hard to hold parts
- Works in plates, both with tapped hole layouts or T-slot configurations
- Can be mounted vertically or horizontally
- Built-in stops locate workpiece for repeat positioning
- Larger sizes are ideal for mold shop applications
- Tapered mounting slot prevents movement when clamping pressure is applied
- Hardened steel clamping element, low carbon steel body



Closed slot style

Open slot style

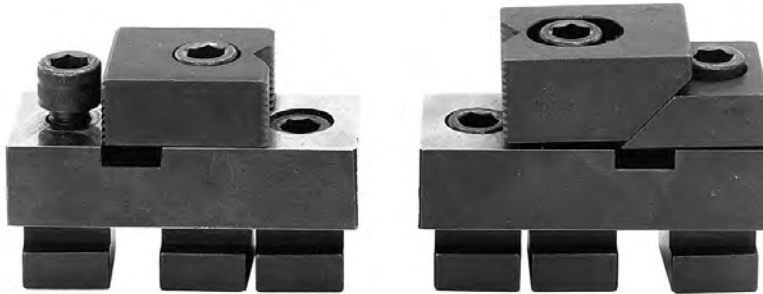
Inch

Part Number	Item	A	B	C	+0.000 -.0130 D	E	F	G	Cam Screw Part Number	Mounting Screw	Slot
68721	Clamp	2.50	.75	.62	.4600	.31	.83	.53	68527	5/16	Closed
68722	Stop	2.50	.75	.75	.4600	.31	1.11	.53	—	5/16	Closed
68723	Clamp	3.75	1.12	.62	.4800	.37	1.68	.50	68529	1/2	Closed
68724	Stop	3.75	1.12	.87	.4800	.37	1.68	.50	—	1/2	Closed
68725	Clamp	4.21	1.50	1.62	1.3780	.37	1.82	—	68535	5/8	Open
68726	Stop	4.21	1.50	2.00	1.3780	.37	1.82	—	—	5/8	Open

Metric

Part Number	Item	A	B	C	+0.000 -.0005 D	E	F	G	Cam Screw Part Number	Mounting Screw	Slot
68821	Clamp	63.5	19.1	15.8	11.68	8.0	21.1	13.5	68532	M8	Closed
68822	Stop	63.5	19.1	19.1	11.68	8.0	28.2	13.5	—	M8	Closed
68823	Clamp	95.3	28.5	15.8	12.19	9.4	42.7	12.7	68534	M12	Closed
68824	Stop	95.3	28.5	22.1	12.19	9.4	42.7	12.7	—	M12	Closed
68825	Clamp	107.0	38.1	41.2	35.00	9.4	46.2	NA	68535	M16	Open
68826	Stop	107.0	38.1	50.8	35.00	9.4	46.2	NA	—	M16	Open

Modular Mini Vise



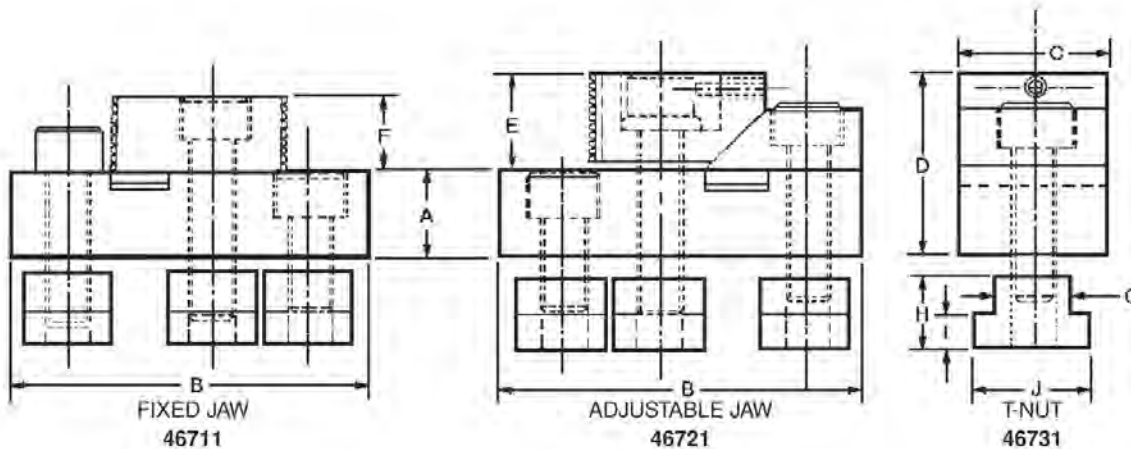
- Material: C-1018
- Finish: Black Oxide
- Case Hardened 58-62 Rc

Part Number	Description
46711	Fixed Jaw Clamp
46721	Adj. Jaw Clamp
46731	T-Slot Nut

The Jergens Modular Mini Vise provides accurate location and positive holding. The bases are hardened and ground to the same height as Jergens Rest Pads for accurate location. The jaws are serrated and hardened to provide positive holding. These versatile clamps may be used as shown, or the jaws may be reversed to allow the workpiece to rest on the machine table or fixture base. The clamps can be made part of a dedicated fixture by removing the T-nuts and fastening the 3/8-16" cap screws directly to the fixture.

To use the Jergens Modular Mini Vise: position the fixed jaw clamp and tighten all three cap screws to secure the clamp. Position the adjustable clamp and tighten the outside capscrews. Insert the workpiece and tighten the center cap screw. The adjustable jaw will force the workpiece down against the base and over against the fixed jaw clamp.

The 46711 clamp has a fixed jaw for locating. The 46721 clamp has an adjustable jaw for clamping. Each clamp is supplied with three 3/8-16" cap screws and three 46731 T-nuts.



+0.000 -0.0005 A	B	C	Maximum Height D	E	F	Table Slot G	H	I	J
.7205	3	1 1/4	1-9/16	3/4	5/8	5/8	5/8	11/32	1

Mini Edge Clamps & Stops



Cam Action Clamps

- Cam Action Clamps - The clamp actuates by a com screw with .047" (1.2mm) of stroke.

Part Number	Material	Clamp Type	Clamping Height	Max. Torque	Holding Force
68881	Spring Steel	Low Profile Clamp	.100" (2.5mm)	6.6 ft. lbs. (8.95 Nm)	880 lbs. (3900 N)
68882	Spring Steel	Raised Clamp	.300" (2.5mm)	6.6 ft. lbs. (8.95 Nm)	880 lbs. (3900 N)

Stops / Locators

- Stop / Locators - Single Stops are used for pieces over 1.75" (44.5mm) long. Double Stops are used for smaller pieces.

Part Number	Material	Stop Type	Jaw Height
68883	Spring Steel	Single Stop	.100" (2.5mm)
68884	Spring Steel	Double Stop	.100" (2.5mm)
68885	Spring Steel	Raised Single Stop	.300" (7.5mm)
68886	Spring Steel	Raised Double Stop	.300" (7.5mm)
68887	Spring Steel	Swivel Stop	.100" (2.5mm)
68888	Spring Steel	Raised Swivel Stop	.100" (2.5mm)

