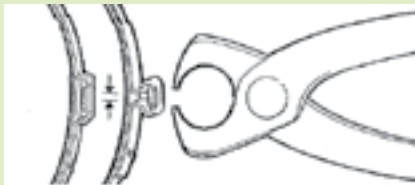


KEYSTONE PINCH CLAMPS

SAE Type "J"



INSTALLATION OF MURRAY KEYSTONE PINCH AND KEYSTONE SEAMLESS PINCH CLAMPS:



Slip the Murray pinch clamp over the hose and insert the fitting.

Position the clamp over the fittings barbs.

Use a Murray pinch tool (A000, A00 or A00) to firmly squeeze the clamp's ear. Once installed, the sides of the ear clamp should almost touch. A slight gap is indicative of proper fit.

To achieve proper attachment of Murray pinch clamps it is important to select the correct size clamp for the job at hand.

If both sides of the ear on the clamp touch, it is too large for the application and the next smaller size should be used.

If the clamp breaks during installation, it indicates the clamp is too small and the next size larger clamp should be used.

Murray pinch clamps offer a safe, easy and tamper proof method of securing hose of many types to a wide variety of fittings.

To Apply:

Position clamp on hose.

Give ear a firm squeeze with your pincers.



Where access to ear is difficult, use Side Jaw Pincers.

Murray KEYSTONE pinch clamps offer superior strength. KEYSTONE clamps are 100% stainless steel.

Keystone Pinch Clamps have a welded construction, are quick and easy to install and provide a uniform, tamper proof seal. Keystone Pinch Clamps are widely used on both soft hose and rigid plastic pipe. You will find these clamps anywhere you

connect poly pipe. Keystone Pinch Clamps are excellent for use in a multitude of applications such as irrigation, water supply systems, fuel and vapor lines, dust shields and air filter attachments, car wash supply lines and for securing bundles of cable. When crimping with a hand tool, Murray's true Keystone geometry, located in the ear area, dramatically reduces miscrimps. Keystone Pinch clamps are 100% Stainless Steel.

"A" Diameter Range

Part Number	Metric		Decimals	
	Open	Closed	Open	Closed
KS 3119	11.9	10.0	.470	.395
KS 3133	13.3	11.4	.525	.450
KS 3150	15.0	12.5	.590	.490
KS 3157	15.7	13.2	.620	.520
KS 3161	16.1	13.6	.635	.535
KS 3165	16.5	14.0	.650	.550
KS 3173	17.3	14.7	.680	.580
KS 3185	18.5	16.0	.730	.630
KS 3198*	19.8	16.6	.780	.655
KS 3210*	21.0	17.9	.830	.705
KS 3222	22.2	19.1	.875	.750
KS 3236	23.6	20.5	.930	.805
KS 3256*	25.6	22.5	1.010	.885
KS 3271*	27.1	24.0	1.070	.945
KS 3301	30.1	27.0	1.185	1.060
KS 3216*	31.6	28.5	1.245	1.120
KS 3324	32.4	29.3	1.275	1.155
KS 3331*	33.1	30.0	1.300	1.180
KS 3346*	34.6	31.5	1.360	1.240
KS 3396	39.6	36.5	1.560	1.440
KS 3410*	41.0	37.9	1.615	1.490
KS 3425*	42.5	39.4	1.675	1.550
KS 3485*	48.5	45.5	1.910	1.787

How to Determine Proper Clamp Size:

Measure actual outside diameter of hose on fitting, or overall outside diameter of items to be clamped together. Select a clamp size whose clamping range includes this outside diameter.

Other sizes available upon request. Available in packed and bulk stock. Other packaging configurations available.

Keystone Pinch Clamp Packaging:

All sizes are available bulk packaged in corrugated cartons. Keystone Pinch clamps for irrigation applications are standard packed in polybags, in the

Part Number	Pieces/Bag	Pieces/Master Carton
KS 319800P10	10	1000
KS 319800P100	100	2500
KS 321000P10	10	1000
KS 321000P100	100	2500
KS 325600P10	10	1000
KS 325600P100	100	2500
KS 327100P10	10	1000
KS 327100P100	100	2500
KS 331600P10	10	1000
KS 331600P100	100	2500
KS 333100P10	10	1000
KS 333100P100	100	2500
KS 334600P100	100	2500
KS 341000P100	100	2000
KS 342500P100	100	2000
KS 348500P100	100	2000

*Popular irrigation sizes are available for immediate shipment packaged in poly bags. Please inquire on availability of other packaging configurations and lead time for other sizes. Other sizes, shapes and materials are available upon request, subject to minimum order quantities.