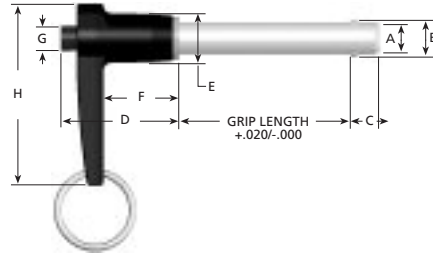




# QUICK RELEASE BALL LOCK PINS

## L-Handle



Dia	Hole Size		Approx. Pull-Out Strength (lbs)	Calculated Double Shear (lbs)		
	Max	Min		4130 Steel	17-4 Stainless	304 Stainless
3/16	.1940	.1900	200	4,600	5,150	—
1/4	.2540	.2500	230	8,200	9,200	2,200
5/16	.3165	.3125	510	12,800	14,400	3,500
3/8	.3790	.3750	575	18,400	20,600	4,500
1/2	.5050	.5000	1,160	32,800	36,800	11,500

These positive locking quick release pins have a wide range of applications in fastening, locating, and alignment applications. The pins will not release until the button on the handle is depressed. Once the button is depressed, the balls retract into the shank allowing the pin to be inserted or removed into or out of a hole. They are available in three shank materials to meet your application. The handles for the pins listed below are made from 380 aluminum casting and anodized black. The pins are supplied with a stainless steel split ring for attaching a cable assembly. Pins in other grip lengths are available as special orders.

4130 Steel Part #	17-4 SS Part #	304 SS Part #	Nominal Diameter	A Max	A Min	Grip Length	+/- .005 B	+ .000/- .030 C	D	E	F	G	H
LAAS-18-050	LACH-18-050	—	3/16	.1885	.1870	.50	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-075	LACH-18-075	—	3/16	.1885	.1870	.75	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-100	LACH-18-100	—	3/16	.1885	.1870	1.00	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-125	LACH-18-125	—	3/16	.1885	.1870	1.25	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-150	LACH-18-150	—	3/16	.1885	.1870	1.50	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-175	LACH-18-175	—	3/16	.1885	.1870	1.75	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-200	LACH-18-200	—	3/16	.1885	.1870	2.00	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-250	LACH-18-250	—	3/16	.1885	.1870	2.50	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-300	LACH-18-300	—	3/16	.1885	.1870	3.00	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-350	LACH-18-350	—	3/16	.1885	.1870	3.50	.220	.260	1.23	.47	.77	.23	1.73
LAAS-18-400	LACH-18-400	—	3/16	.1885	.1870	4.00	.220	.260	1.23	.47	.77	.23	1.73
LAAS-25-050	LACH-25-050	LACS-25-050	1/4	.2485	.2470	.50	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-075	LACH-25-075	LACS-25-075	1/4	.2485	.2470	.75	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-100	LACH-25-100	LACS-25-100	1/4	.2485	.2470	1.00	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-125	LACH-25-125	LACS-25-125	1/4	.2485	.2470	1.25	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-150	LACH-25-150	LACS-25-150	1/4	.2485	.2470	1.50	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-175	LACH-25-175	LACS-25-175	1/4	.2485	.2470	1.75	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-200	LACH-25-200	LACS-25-200	1/4	.2485	.2470	2.00	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-250	LACH-25-250	LACS-25-250	1/4	.2485	.2470	2.50	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-300	LACH-25-300	LACS-25-300	1/4	.2485	.2470	3.00	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-350	LACH-25-350	LACS-25-350	1/4	.2485	.2470	3.50	.289	.290	1.23	.47	.77	.23	1.73
LAAS-25-400	LACH-25-400	LACS-25-400	1/4	.2485	.2470	4.00	.289	.290	1.23	.47	.77	.23	1.73
LAAS-31-050	LACH-31-050	LACS-31-050	5/16	.3110	.3095	.50	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-075	LACH-31-075	LACS-31-075	5/16	.3110	.3095	.75	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-100	LACH-31-100	LACS-31-100	5/16	.3110	.3095	1.00	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-125	LACH-31-125	LACS-31-125	5/16	.3110	.3095	1.25	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-150	LACH-31-150	LACS-31-150	5/16	.3110	.3095	1.50	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-175	LACH-31-175	LACS-31-175	5/16	.3110	.3095	1.75	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-200	LACH-31-200	LACS-31-200	5/16	.3110	.3095	2.00	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-250	LACH-31-250	LACS-31-250	5/16	.3110	.3095	2.50	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-300	LACH-31-300	LACS-31-300	5/16	.3110	.3095	3.00	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-350	LACH-31-350	LACS-31-350	5/16	.3110	.3095	3.50	.375	.330	1.23	.47	.77	.23	1.73
LAAS-31-400	LACH-31-400	LACS-31-400	5/16	.3110	.3095	4.00	.375	.330	1.23	.47	.77	.23	1.73
LAAS-37-050	LACH-37-050	LACS-37-050	3/8	.3735	.3720	.50	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-075	LACH-37-075	LACS-37-075	3/8	.3735	.3720	.75	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-100	LACH-37-100	LACS-37-100	3/8	.3735	.3720	1.00	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-125	LACH-37-125	LACS-37-125	3/8	.3735	.3720	1.25	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-150	LACH-37-150	LACS-37-150	3/8	.3735	.3720	1.50	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-175	LACH-37-175	LACS-37-175	3/8	.3735	.3720	1.75	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-200	LACH-37-200	LACS-37-200	3/8	.3735	.3720	2.00	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-250	LACH-37-250	LACS-37-250	3/8	.3735	.3720	2.50	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-300	LACH-37-300	LACS-37-300	3/8	.3735	.3720	3.00	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-350	LACH-37-350	LACS-37-350	3/8	.3735	.3720	3.50	.440	.365	1.38	.56	.88	.29	2.00
LAAS-37-400	LACH-37-400	LACS-37-400	3/8	.3735	.3720	4.00	.440	.365	1.38	.56	.88	.29	2.00
LAAS-50-100	LACH-50-100	LACS-50-100	1/2	.4985	.4970	1.00	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-125	LACH-50-125	LACS-50-125	1/2	.4985	.4970	1.25	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-150	LACH-50-150	LACS-50-150	1/2	.4985	.4970	1.50	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-175	LACH-50-175	LACS-50-175	1/2	.4985	.4970	1.75	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-200	LACH-50-200	LACS-50-200	1/2	.4985	.4970	2.00	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-250	LACH-50-250	LACS-50-250	1/2	.4985	.4970	2.50	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-300	LACH-50-300	LACS-50-300	1/2	.4985	.4970	3.00	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-350	LACH-50-350	LACS-50-350	1/2	.4985	.4970	3.50	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-400	LACH-50-400	LACS-50-400	1/2	.4985	.4970	4.00	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-450	LACH-50-450	LACS-50-450	1/2	.4985	.4970	4.50	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-500	LACH-50-500	LACS-50-500	1/2	.4985	.4970	5.00	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-550	LACH-50-550	LACS-50-550	1/2	.4985	.4970	5.50	.594	.460	1.60	.72	.94	.42	2.23
LAAS-50-600	LACH-50-600	LACS-50-600	1/2	.4985	.4970	6.00	.594	.460	1.60	.72	.94	.42	2.23