



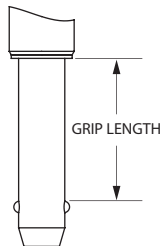
Selecting

The LH Series offers several all-alloy handle styles, all of which feature a double acting, spring-loaded push/pull mechanism.

To complete the part number, as detailed at the bottom of the opposite page, you will need to determine the following:

1. Shank Diameter: See performance information on Introduction pages. Find diameter code in the Dimensions table opposite.
2. Material: See performance information on Introduction pages.
3. Handle Style
4. Grip Length: This is the load bearing area on the Lockwell® quick-release pin and is measured from shoulder to the tangent point where the ball intersects the shank diameter.

Grip length for Lockwell pins is always specified in thousandth-inch increments, e.g., 500 equals 1/2" grip length.



Specifications

Part	Alloy Steel Models	CRES Models
Shank & Spindle	4130 Steel per AMS 6360 & AMS-S-6758	Corrosion resistant steel 17-4 per AMS 5643 or equivalent
Balls	Corrosion resistant steel 440-C per AMS-QQ-S-763, Rc 58-62	Corrosion resistant steel 440-C per AMS-QQ-S-763, Rc 58-62
Button	Carbon steel per ASTM A108	Corrosion resistant steel 303 per AMS 5640
Handle	Carbon steel per ASTM A108	Corrosion resistant steel 303 per AMS 5640
Handle Ring	Corrosion resistant steel 302 per ASTM A313 or music wire per ASTM A228	Corrosion resistant steel 302 per ASTM A313
Spring	Music Wire per ASTM A228	Corrosion resistant steel type 302 per ASTM A313
Attaching Link	Carbon steel wire per ASTM 227 or corrosion resistant steel 302 per ASTM A313	Corrosion resistant steel 302 per ASTM A313

Heat Treatment – Shank & Spindle

Alloy Steel: 160,000/180,000 PSI per AMS-H-6875
CRES: 17-4-PH, 190,000 PSI Min per AMS-H-6875, PH 15-7 MO, 180,000 PSI Min. per AMS-H-6875

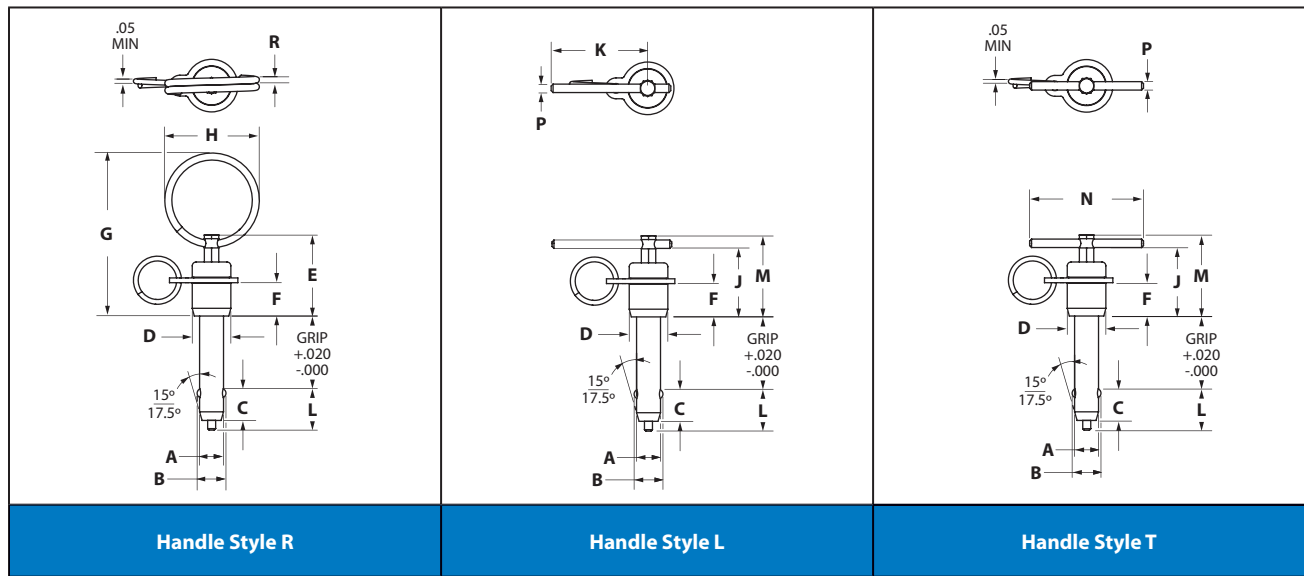
Protective Treatment

Carbon and Alloy Steel: Cadmium plate per AMS-QQ-P-416, Type II Class 2
CRES: Passivate per ASTM A967
Aluminum Alloy: Anodize per AMS-A-8625

DZUS® Lockwell® LH Quick Release Pins Double Acting



Styles



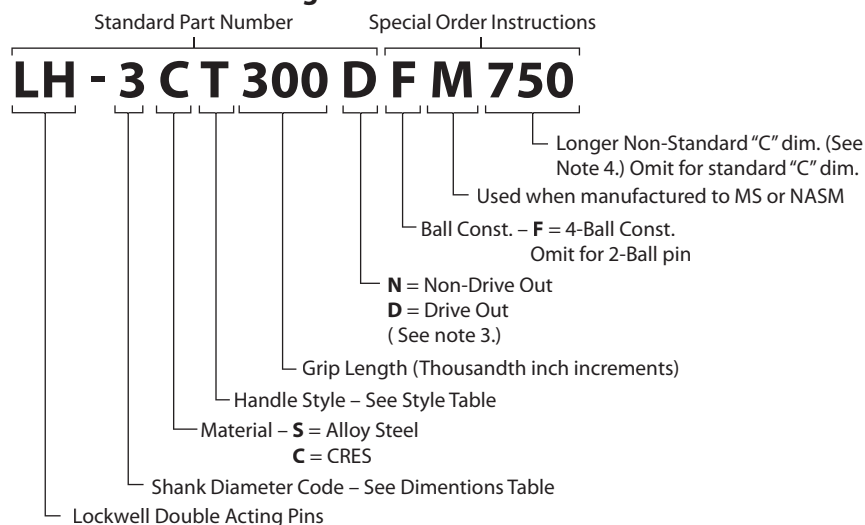
Dimensions

Shank DIA.		Dimensions															
Size	Code ¹	A Min.	A Max.	B ±.005	C Max.	D Max.	E Min.	F Max.	G Max.	H Max.	J Min.	K Max.	L Max.	M Max.	N Min.	P Min.	R Max.
3/16	3	.1885	.1870	.220	.410	.450	.935	.480	1.945	1.125	.780	1.300	.50	1.030	1.375	.105	.080
1/4	4	.2485	.2470	.289	.410	.450	.935	.480	1.945	1.125	.780	1.300	.50	1.030	1.375	.105	.080
5/16	5	.3110	.3095	.375	.440	.505	.935	.480	1.945	1.125	.780	1.300	.55	1.030	1.375	.105	.080
3/8	6	.3735	.3720	.440	.510	.630	1.000	.540	2.025	1.125	.830	1.500	.64	1.090	1.875	.134	.080
7/16	7	.4360	.4345	.509	.510	.630	1.000	.540	2.025	1.125	.830	1.500	.64	1.090	1.875	.134	.080
1/2	8	.4985	.4970	.594	.590	.755	1.070	.540	2.060	1.125	.880	1.655	.75	1.270	2.125	.200	.080
9/16	9	.5610	.5595	.666	.660	.755	1.070	.540	2.060	1.125	.880	1.655	.82	1.270	2.125	.200	.080
5/8	10	.6235	.6220	.750	.750	.870	1.250	.575	2.550	1.500	1.000	1.810	.93	1.465	2.375	.231	.120
3/4	12	.7485	.7470	.887	.790	.960	1.250	.595	2.550	1.500	1.000	1.810	.97	1.465	2.375	.231	.120
7/8	14	.8735	.8720	1.046	.950	1.150	1.500	.730	2.770	1.500	1.180	2.250	1.18	1.640	2.750	.231	.120
1	16	.9985	.9970	1.219	1.100	1.280	1.700	.865	2.950	1.500	1.320	2.250	1.35	1.830	2.750	.231	.120

Note:

1. Use to complete part number.

Lockwell Double Acting Pins Part Numbers



Double Acting Notes:

- All pins can be ordered to the procurement specifications NASM 23460 and are QPL listed on NASM 17988 thru NASM 17990 and NAS 1353 thru 1366. Commercial grade pins are also available.
- Attaching links standard on all pins.
- Double acting pins are available with a drive-out feature. This feature is employed where removal of pin is necessary while in a shear loaded condition. To order drive-out, see part number example.
- If greater "C" dimension is necessary add length in thousandth of an inch after "F" letter. Example: LG3CT300F750 (750 = .750 inch)
- Pins are identified per AMS-STD-130 and applicable specification.
- Double acting pins are available in metric sizes. Specify when ordering.
- Custom lengths require a 25 piece minimum order quantity. Contact Southco customer service or your local Southco Representative for pricing and leadtimes.

All dimensions on this page are in inches.