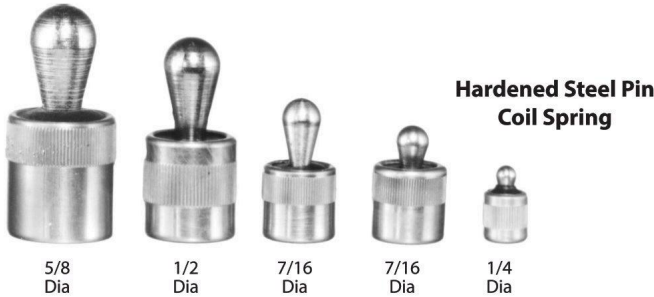
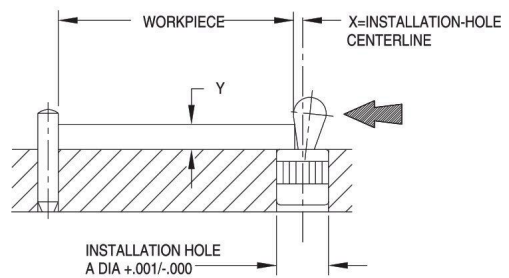
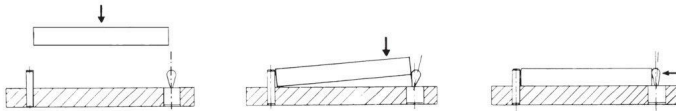


SPRING LOCATING PINS

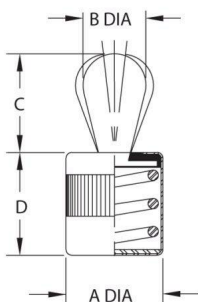
PIN: MILD STEEL, CARBURIZED-HARDENED, ZINC PLATED CLEAR CHROMATE
SPRING: MUSIC WIRE HOUSING: ALUMINUM



Our patented Spring Locating Pins are an extremely compact way to apply side force to a workpiece. The tapered contact pin is securely anchored in a spring base. Unit installs easily in a drilled hole. Available in five sizes, each in light, medium, or heavy force. Choice of steel, stainless steel, or Delrin® contact pin. **INFO+**: Also available with a tapped receptacle for custom contact pins. Our most popular version is shown on this page, with a durable case-hardened steel contact pin and aluminum body containing a coil spring. Protective rubber seal around contact pin keeps out chips and coolant. This type has the most travel, so it allows the most part-size variation.



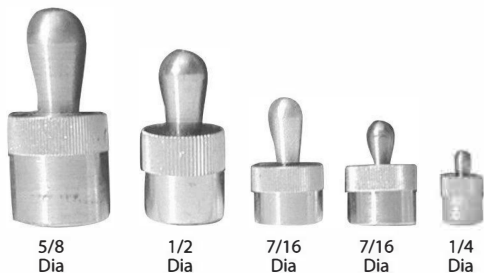
HARDENED STEEL PIN, COIL SPRING



PART NO.	A DIA	APPROX SIDE FORCE (LBS)	ALLOWABLE WORKPIECE TOLERANCE	B DIA	C	D	X DIMENSION WHEN Y EQUALS						
							1/16	1/8	3/16	1/4	5/16	3/8	7/16 OR MORE
CL-4-SLP-1	1/4	2.2	.020	.118	.157	.268	.022	.024	.024	.024	.024	.024	.024
CL-4-SLP-2		4.5											
CL-4-SLP-3		9											
CL-7-SLP-1	7/16	4.5	.031	.197	.236	.434	—	.055	.055	.055	.055	.055	.055
CL-7-SLP-2		11											
CL-7-SLP-3		22											
CL-7A-SLP-1	7/16	9	.039	.236	.393	.434	—	—	.049	.059	.059	.059	.059
CL-7A-SLP-2		17											
CL-7A-SLP-3		22											
CL-8-SLP-1	1/2	11	.051	.315	.511	.520	—	—	—	.077	.087	.087	.087
CL-8-SLP-2		22											
CL-8-SLP-3		34											
CL-10-SLP-1	5/8	22	.063	.939	.646	.705	—	—	—	.098	.107	.107	.110
CL-10-SLP-2		34											
CL-10-SLP-3		45											

SPRING LOCATING PINS

PIN: 300-SERIES STAINLESS STEEL
 SPRING: SOLID POLYURETHANE. HOUSING: ALUMINUM



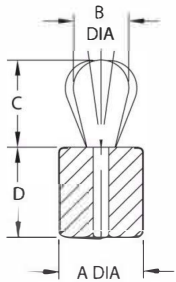
**Stainless Steel Pin
 Solid Polyurethane Spring**

Stainless steel contact pin is ideal for corrosive environments and hygienic applications. Solid polyurethane body is covered by an aluminum shell.

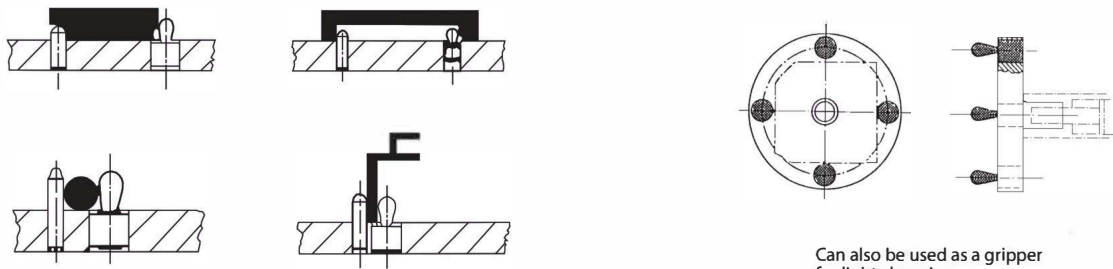
STAINLESS STEEL PIN, SOLID POLYURETHANE SPRING

Technical drawing of a spring assembly. The drawing shows a cross-section of a cylindrical base with a central hole. A coiled spring is mounted on top of the base. Dimension lines indicate: 'A DIA' for the base's outer diameter, 'B DIA' for the spring's inner diameter, 'C' for the height of the spring, and 'D' for the height of the base. The base is shaded with diagonal lines.

PART NO.	A DIA	APPROX SIDE FORCE (LBS)	SPRING COLOR	B DIA	C	D	X DIMENSION WHEN Y EQUALS								1/2 OR MORE
							1/16	1/8	3/16	1/4	5/16	3/8	7/16		
CL-7-SLPS-1	7/16	6.7	BLUE	.197	.287	.374	.051	.059	.066	.067	.067	.067	0.067		
CL-7-SLPS-2		13.5	RED												
CL-7-SLPS-3		20	GREEN												
CL-7A-SLPS-1		4.4	BLUE	.236	.406		.050	.058		.073	.078	.078	.078		
CL-7A-SLPS-2		6.7	RED												
CL-7A-SLPS-3		13.5	GREEN												
CL-8-SLPS-1	1/2	11.1	RED	.315	.515	.553	.073	.081	.089	.096	.104	.110	.110		
CL-8-SLPS-2		22.2	GREEN												
CL-10-SLPS-1	5/8	18	RED	.394	.678	.675	.084	.091	.099	.107	.114	.122	.130	.135	
CL-10-SLPS-2		36	GREEN												



APPLICATION EXAMPLES

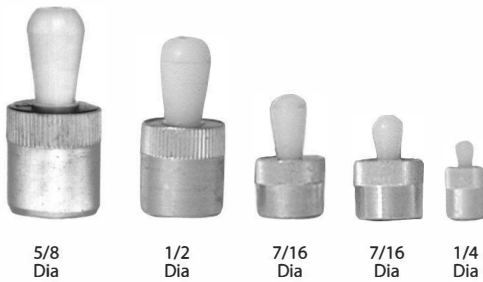


Can also be used as a gripper
 for light clamping.

SPRING LOCATING PINS

PIN: DELRIN®

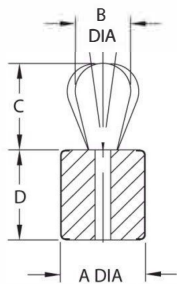
SPRING: SOLID POLYURETHANE. HOUSING: ALUMINIUM



**Delrin® Pin
Solid Polyurethane Spring**

Delrin® contact pin avoids marring soft or finished surfaces. Solid polyurethane body is covered by an aluminium shell.

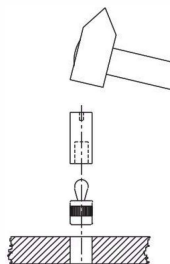
DELRIN® PIN, SOLID POLYURETHANE SPRING



PART NO.	A DIA	APPROX SIDEFORCE (LBS)	B DIA	C	D	X DIMENSION WHEN Y EQUALS								1/2 OR MORE
						1/16	1/8	3/16	1/4	5/16	3/8	7/16		
CL-7-SLPP-1	7/16	6.7	.197	.287	.374	.051	.059	.066	.067	.067	.067	.067	.067	
CL-7-SLPP-2		13.5												
CL-7A-SLPP-1	7/16	6.7	.236	.406	.374	.050	.058	.066	.073	.078	.078	.078	.078	
CL-7A-SLPP-2		13.5												
CL-8-SLPP-1	1/2	11.1	.315	.515	.553	.073	.081	.089	.096	.104	.110	.110	.110	
CL-8-SLPP-2		22.2												
CL-10-SLPP-1	5/8	18	.394	.678	.675	.084	.091	.099	.107	.114	.122	.130	.135	
CL-10-SLPP-2		36												



**Installation
Tools**



Handy tool to speed up installation of Spring Locating Pins. Use with any of the three types.

INSTALLATION TOOLS

PART NO.	USE TO INSTALL		
CL-4-SLPT	CL-4-SLP-x	CL-4-SLPS-x	CL-4-SLPP-x
CL-7-SLPT	CL-7-SLP-x	CL-7-SLPS-x	CL-7-SLPP-x
CL-7A-SLPT	CL-7A-SLP-x	CL-7A-SLPS-x	CL-7A-SLPP-x
CL-8-SLPT	CL-8-SLP-x	CL-8-SLPS-x	CL-8-SLPP-x
CL-10-SLPT	CL-10-SLP-x	CL-10-SLPS-x	CL-10-SLPP-x