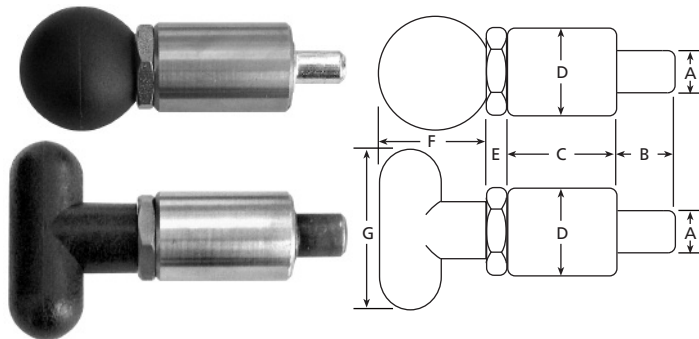


PULL PINS

Standard Pull Pins



These spring load pull pins allow you to quickly retract and engage the plunger for locating, fastening and quick change operations. The housing of the pin is designed to be welded into place for strength. Pulling on the handle retracts the plunger fully into the housing of the pin. Releasing the handle allows the plunger to fully extend into position. The plunger is made from 1038 steel providing a tensile strength of 90 to 95 KSI on all sizes except the 5/8 which is made from 12L15 steel. The housing is made from 12L15 steel for welding to the fixture. The plunger and hex are zinc plated. Pull up force is approximately 5 lbs.

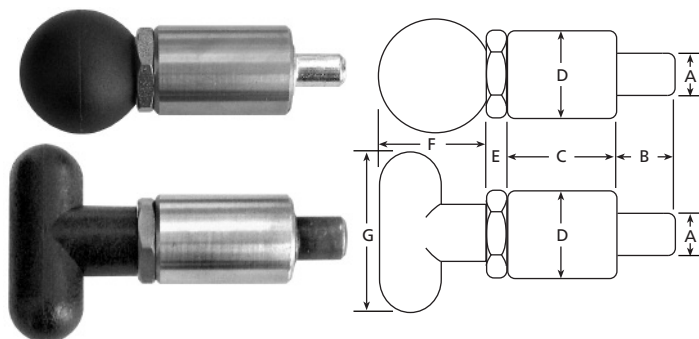
Round Knob Style Part Number

Part Number	A	B	C	D	E	F
CP-K25R	1/4	9/16	1-1/2	1	3/16	1-3/8
CP-K100R	3/8	9/16	1-1/2	1	3/16	1-3/8
CP-K200R	1/2	9/16	1-1/2	1	3/16	1-3/8
CP-K320R	1/2	9/16	2-1/4	1	3/16	1-3/8
CP-K420R	5/8	9/16	2-1/4	1	3/16	1-3/8

T-Handle Style Part Number

Part Number	A	B	C	D	E	F	G
CP-K25T	1/4	9/16	1-1/2	1	3/16	1-7/16	2-1/4
CP-K100T	3/8	9/16	1-1/2	1	3/16	1-7/16	2-1/4
CP-K200T	1/2	9/16	1-1/2	1	3/16	1-7/16	2-1/4
CP-K320T	1/2	9/16	2-1/4	1	3/16	1-7/16	2-1/4
CP-K420T	5/8	9/16	2-1/4	1	3/16	1-7/16	2-1/4

Pull Pins with Lockout



These spring load pull pins allow you to quickly retract and engage the plunger for locating, fastening and quick change operations. The housing of the pin is designed to be welded into place for strength. Pulling on the handle retracts the plunger fully into the housing of the pin. The handle can then be rotated to hold it in the retracted or open position. Pulling and turning the handle allows the plunger to fully extend into position. The plunger is made from 1038 steel providing a tensile strength of 90 to 95 KSI on all sizes except the 5/8 which is made from 12L15 steel. The housing is made from 12L15 steel for welding to the fixture. The plunger and hex are zinc plated. Pull up force is approximately 5 lbs.

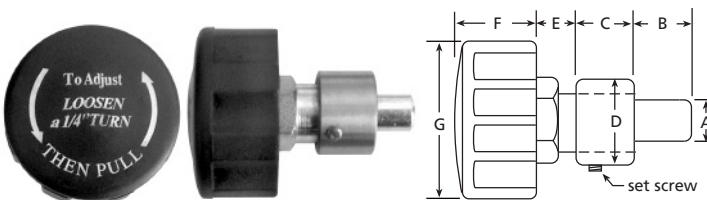
Round Knob Style Part Number

Part Number	A	B	C	D	E	F
CP-K25RLO	1/4	9/16	1-1/2	1	3/16	1-3/8
CP-K100RLO	3/8	9/16	1-1/2	1	3/16	1-3/8
CP-K200RLO	1/2	9/16	1-1/2	1	3/16	1-3/8
CP-K320RLO	1/2	9/16	2-1/4	1	3/16	1-3/8
CP-K420RLO	5/8	9/16	2-1/4	1	3/16	1-3/8

T-Handle Style Part Number

Part Number	A	B	C	D	E	F	G
CP-K25TLO	1/4	9/16	1-1/2	1	3/16	1-7/16	2-1/4
CP-K100TLO	3/8	9/16	1-1/2	1	3/16	1-7/16	2-1/4
CP-K200TLO	1/2	9/16	1-1/2	1	3/16	1-7/16	2-1/4
CP-K320TLO	1/2	9/16	2-1/4	1	3/16	1-7/16	2-1/4
CP-K420TLO	5/8	9/16	2-1/4	1	3/16	1-7/16	2-1/4

Adjustable Clamping Pins



These spring loaded adjustable clamping pins allow for quick clamping and release. Once the pin is engaged, turning the knob allows the pin to tighten down on the work piece or further extend the plunger in the locating hole. Because it can be quickly adjusted, it is ideal for applications where there is variance in the part being held. Pulling up on the handle retracts the plunger fully into the housing. The set screw on the housing allows you to lock the plunger at a set depth for repeated operations and prevents the mechanism from coming out of the housing. Plunger is made from 1038 steel providing a tensile strength of 90 to 95 KSI. The housing is made from 12L15 steel for welding to fixture. The plunger and hex are zinc plated.

Part Number	A	B	C	D	E	F	G	Adjustment
CP-C25P	1/4	9/16	3/4	1-1/8	1/2	1-1/8	2-1/4	5/8
CP-C100P	3/8	9/16	3/4	1-1/8	1/2	1-1/8	2-1/4	5/8
CP-C200P	1/2	9/16	3/4	1-1/8	1/2	1-1/8	2-1/4	5/8