

# SLIDE RETAINERS

## RECTANGULAR INCH

- ▶ Three sizes with slide ratings for 22, 44, and 88 lbs.
- ▶ Small in size, yet strong holding capacity.
- ▶ Provides a compact and economical means of slide retention.
- ▶ Suitable for new tooling design or retrofitting existing molds.
- ▶ Can be used in single or multiple configuration for heavier slides.



(U.S. Patent No. 4,961,702)

## RECTANGULAR Slide Retainer – PPSL

**Material:** Investment Cast steel

**Hardness:** Case-Hardened 58-62 HRC

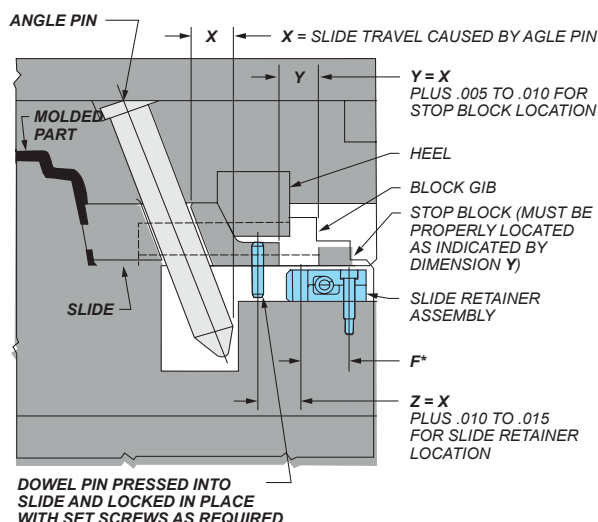
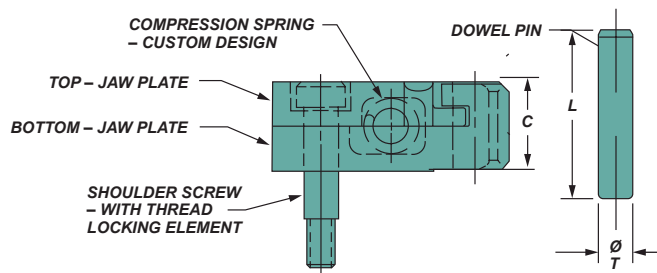
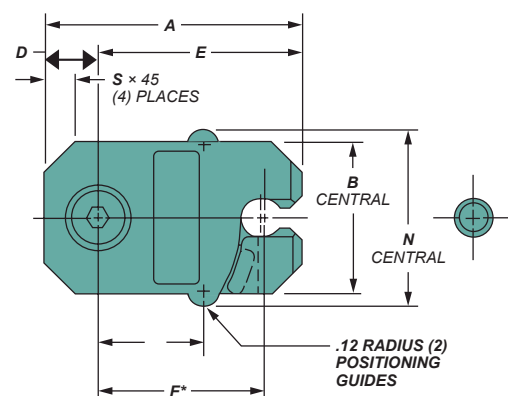
| Catalog Number | A    | B    | C    | D    | E    | F*    | N    | P    | S    | T     | L    |
|----------------|------|------|------|------|------|-------|------|------|------|-------|------|
| PPSL 0001      | 1.50 | 0.76 | 0.63 | 0.27 | 1.23 | 0.980 | 0.94 | 0.61 | 0.14 | 0.250 | 1.25 |
| PPSL 0002      | 2.13 | 1.26 | 0.79 | 0.44 | 1.69 | 1.375 | 1.44 | 0.88 | 0.25 | 0.312 | 1.50 |
| PPSL 0003      | 3.38 | 1.76 | 1.18 | 0.75 | 2.63 | 2.125 | 1.94 | 1.57 | 0.38 | 0.375 | 2.25 |

| Catalog Number | MAXIMUM RECOMMENDED SLIDE HOLD WEIGHT |
|----------------|---------------------------------------|
| PPSL 0001      | 22 POUNDS                             |
| PPSL 0002      | 44 POUNDS                             |
| PPSL 0003      | 88 POUNDS                             |

\* Dimension F, the distance from dowel pin centerline at end of slide travel and centerline of shoulder screw, is important.

Overtravel of dowel pin beyond pin clearance provided at back of jaw area could result in damage to retainer.

† Includes compression spring, shoulder screw and dowel pin.



## RECTANGULAR Slide Retainer – PPSL Application

The PPSL is designed to be mounted behind and below the slide (see drawing left), and is a compact unit that can be entirely contained within the mold. Interference with tie bars or safety gates is no longer a problem. (It can even be installed completely underneath the slide if space is limited.)

As the mold opens, the dowel pin installed in the slide positively locks into the PPSL until disengaged by the mold's closing action. The spring placed crossway in the retainer maintains the force required to keep the dowel pin in the jaws when the mold is open.

The PPSL is designed with a lead-in at the jaw opening so the dowel pin will enter the jaws even if there is a slight misalignment between the retainer and the pin.

**NOTE:** To prevent the dowel pin from contacting and applying pressure against the back of the retainer jaw (which could cause shearing of the dowel pin or shoulder screw) the installation dimensions shown on these pages are recommended.