

SLIDE RETAINERS



Progressive's SRT® Series Slide Retainers reliably hold from 2 to 80 pounds (1 to 36 kgs) each. This slide retention design now features color-coded springs to indicate force rating. This compact design allows for installation in a mold base or wear plates.

Optional cleats may be selected or the V-Groove for roller retention may be machined in the bottom of the slide as shown on page G-15.



Inch Standard

Roller: **M** M-2 **H** 60-62 HRC **S** Titanium Nitride Coated 80 HRC

M 4140 **H** 50-54 HRC **S** Black Oxide

| SLIDE RETAINERS | | | | | | | | CLEATS | | | | |
|-------------------------------|---------------------------|---------------------|------------|------------|--------------------|---------------------------------|-----------------|----------------------|------------|------------|--------------------|---------------------------------|
| SLIDE RETAINER CATALOG NUMBER | MAX WEIGHT PER UNIT (LBS) | D +.005 -.000 | L ±.001 | S ±.002 | T SCREWS (2) | E MINIMUM THREAD DEPTH | SPRING COLOR | CLEAT CATALOG NUMBER | G ±.001 | C ±.002 | H SCREWS (2) | J MINIMUM THREAD DEPTH |
| SRT-02 | 2 | .625 | .160 | .155 | #4-48 | .075 | GRN | SRTC-10 | .250 | .190 | #6-32 | .250 |
| SRT-04 | 4 | | | | | | BLU | | | | | |
| SRT-10 | 10 | | | | | | RED | | | | | |
| SRT-20 | 20 | .750 | .500 | .150 | #8-32 | .190 | GRN | SRTC-30 | .250 | .250 | #6-32 | .250 |
| SRT-30 | 30 | | | | | | BLU | | | | | |
| SRT-50 | 50 | .875 | .750 | .150 | #8-32 | .245 | RED | SRTC-80 | .250 | .300 | #6-32 | .250 |
| SRT-80 | 80 | | | | | | YEL | | | | | |
| SRT-40 | 40 | | | | | | BLU | | | | | |
| SRT-60 | 60 | 1.125 | .856 | .205 | 1/4-20 | .480 | RED | SRTC-75 | .250 | .400 | #6-32 | .250 |
| SRT-75 | 75 | | | | | | YEL | | | | | |

Cleats sold separately.

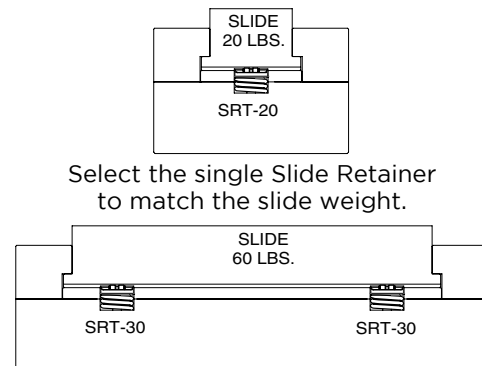
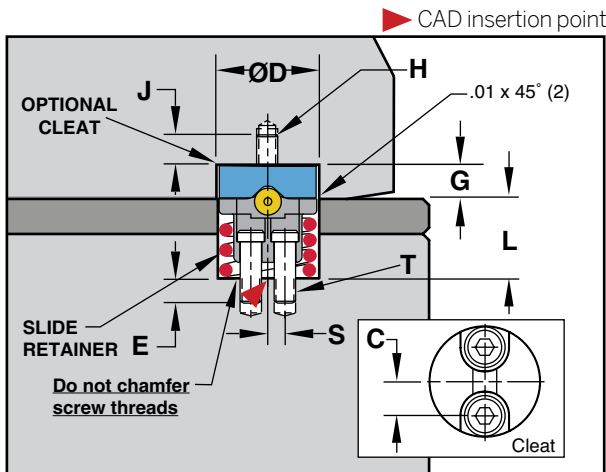
Metric Standard

Roller: **M** M-2 **H** 60-62 HRC **S** Titanium Nitride Coated 80 HRC

M 4140 **H** 50-54 HRC **S** Black Oxide

| SLIDE RETAINERS | | | | | | | | CLEATS | | | | |
|-------------------------------|---------------------------|-----------------|------------|-----------|--------------------|---------------------------------|-----------------|----------------------|------------|-----------|--------------------|---------------------------------|
| SLIDE RETAINER CATALOG NUMBER | MAX WEIGHT PER UNIT (LBS) | D +.1 -.0 | L ±.025 | S ±.05 | T SCREWS (2) | E MINIMUM THREAD DEPTH | SPRING COLOR | CLEAT CATALOG NUMBER | G ±.025 | C ±.05 | H SCREWS (2) | J MINIMUM THREAD DEPTH |
| SRTM-01 | 1 | 15.9 | 4.06 | 3.95 | M3 - .5 | 1.9 | GRN | SRTMC-04 | 6.35 | 4.85 | M3 - .5 | 6.35 |
| SRTM-02 | 2 | | | | | | BLU | | | | | |
| SRTM-04 | 4 | | | | | | RED | | | | | |
| SRTM-09 | 9 | 19.1 | 12.70 | 3.80 | M4 - .7 | 4.8 | GRN | SRTMC-13 | 6.35 | 6.35 | M3 - .5 | 6.35 |
| SRTM-13 | 13 | | | | | | BLU | | | | | |
| SRTM-22 | 22 | 22.3 | 19.05 | 3.80 | M4 - .7 | 6.2 | RED | SRTMC-36 | 6.35 | 7.60 | M3 - .5 | 6.35 |
| SRTM-36 | 36 | | | | | | YEL | | | | | |
| SRTM-18 | 18 | 28.2 | 21.75 | 5.20 | M6 - 1.0 | 12.0 | BLU | SRTMC-34 | 6.35 | 10.50 | M3 - .5 | 6.35 |
| SRTM-28 | 28 | | | | | | RED | | | | | |
| SRTM-34 | 34 | | | | | | YEL | | | | | |

Cleats sold separately.



Select the single Slide Retainer to match the slide weight.

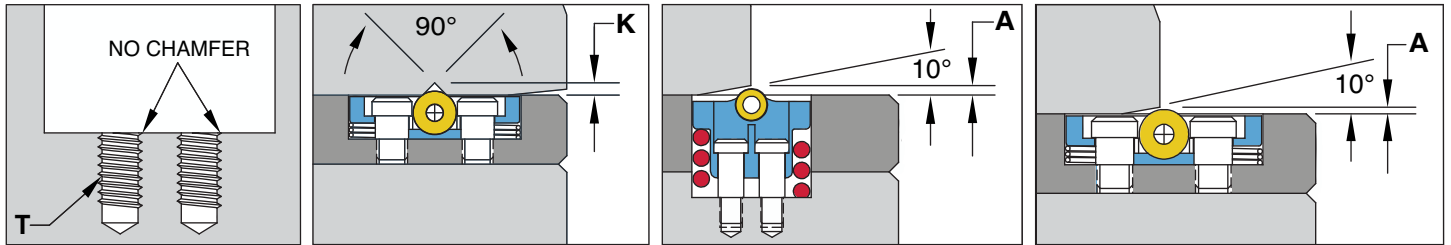
Or add the force of multiple Slide Retainers to match the slide weight.



SLIDE RETAINERS

APPLICATION GUIDELINES

- Maximum operating temperature is 425°F (220°C).
- Match total Slide Retainers Spring force to slide weight; excess spring force could induce wear.
- Do not chamfer screw threads.
- Machine 10° lead-in on all slides to aid in assembly once the SRT is installed.
- Optional Bases and Bushings shown on the following page allow for installation in plates made from materials such as aluminum, copper, and bronze and contain the screw/thread installation.



| RETAINER CATALOG NUMBER | T THREAD (2) | TAP CLASS REQUIRED | K V-GROOVE | A 10° ANGLE LEAD - IN |
|-------------------------|--------------------|-----------------------|---------------|-----------------------------|
| SRT-02 | #4-48 | 2B GH2 | .041" | .02" |
| SRT-04 | | | | |
| SRT-10 | | | | |
| SRT-20 | | | | |
| SRT-30 | #8-32 | 2B GH3 | .078" | .04" |
| SRT-50 | | | | |
| SRT-80 | 1/4-20 | 2B GH3 | .102" | .07" |
| SRT-40 | | | | |
| SRT-60 | | | | |
| SRT-75 | | | | |
| SRTM-01 | M3 - .5 | 6H D3 | 1 mm | .50 mm |
| SRTM-02 | | | | |
| SRTM-04 | | | | |
| SRTM-09 | | | | |
| SRTM-13 | M4 - .7 | 6H D4 | 2 mm | 1.00 mm |
| SRTM-22 | | | | |
| SRTM-36 | M4 - .7 | 6H D4 | 2 mm | 1.27 mm |
| SRTM-18 | | | | |
| SRTM-28 | | | | |
| SRTM-34 | | | | |
| | M6 - 1.0 | 6H D4 | 2.6 mm | 1.85 mm |
| | | | | |

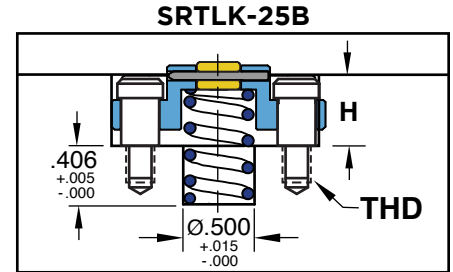
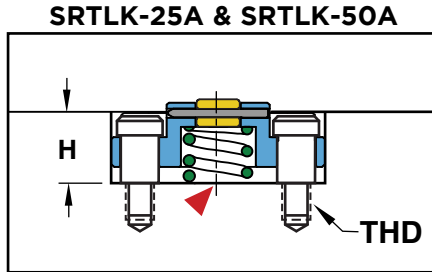
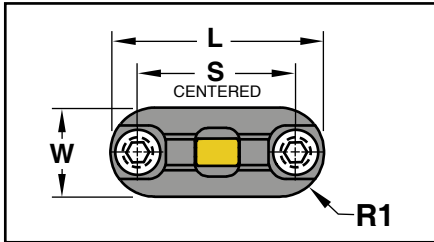




SLIDE RETAINERS SLIDE LOCK STYLE

Slide Lock Style slide retention is offered in sizes compatible with previous standards, and Progressive's now provides smooth, greaseless friction-free performance.

Reliably holding 25 to 50 pounds each, this design features color-coded springs to indicate force rating.



Roller: **M** M-2 **H** 60-62 HRC **S** Titanium Nitride Coated 80 HRC

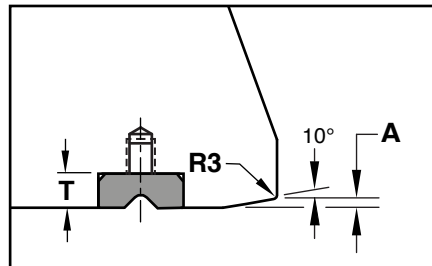
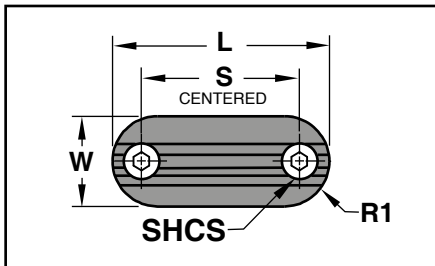
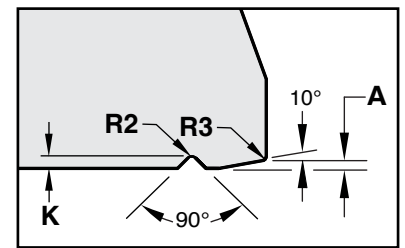
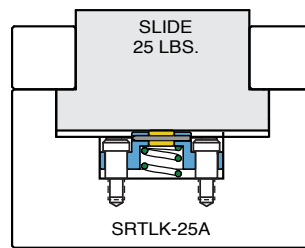
| SLIDE RETAINER CATALOG NUMBER | MAX WEIGHT PER UNIT (LBS) | SPRING COLOR | L +.004 -.000 | W +.004 -.000 | H +.002 -.000 | R1 +.002 -.000 | THD | S | A | K | R2 | R3 |
|-------------------------------|---------------------------|--------------|---------------------|---------------------|---------------------|----------------------|--------|-------|------|------|------|-----|
| SRTLK-25A | 25 | GRN | 1.500 | .625 | .500 | .312 | #6-32 | 1.100 | .070 | .100 | .047 | .03 |
| SRTLK-25B | 25 | BLU | | | | | | | | | | |
| SRTLK-50A | 50 | RED | 2.300 | 1.000 | .875 | .500 | 1/4-20 | 1.650 | .100 | .155 | .079 | .05 |

▶ CAD insertion point

Pocket dimensions shown. Screws included.

APPLICATION GUIDELINES

- Select the single Slide Retainer to match the slide weight. Multiple retainers may be used for heavier slides.
- Machine the pockets as shown in the graphics and table.
- For retention on the slide, purchase the Cleats as shown below or machine the groove in the slide as shown at right.



CLEATS



M 4140 **H** 50-54 HRC **S** Black Oxide

| CLEAT CATALOG NUMBER | L +.004 -.000 | W +.004 -.000 | T +.002 -.000 | R1 +.002 -.000 | R3 | SHCS | S |
|----------------------|---------------------|---------------------|---------------------|----------------------|-----|--------------|-------|
| SRTLK-25A-C | 1.500 | .625 | .250 | .312 | .03 | #6-32 x 1/4 | 1.100 |
| SRTLK-50A-C | 2.300 | 1.000 | .400 | .500 | .05 | 1/4-20 x 3/8 | 1.650 |

Pocket dimensions shown. Screws included.