



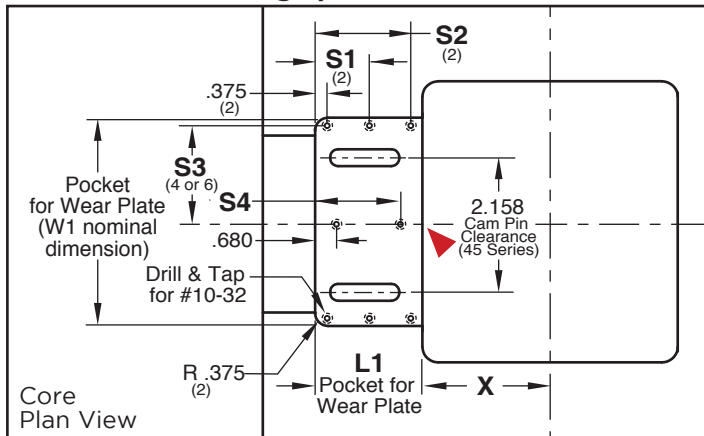
# VERSA-SLIDE 45 SERIES



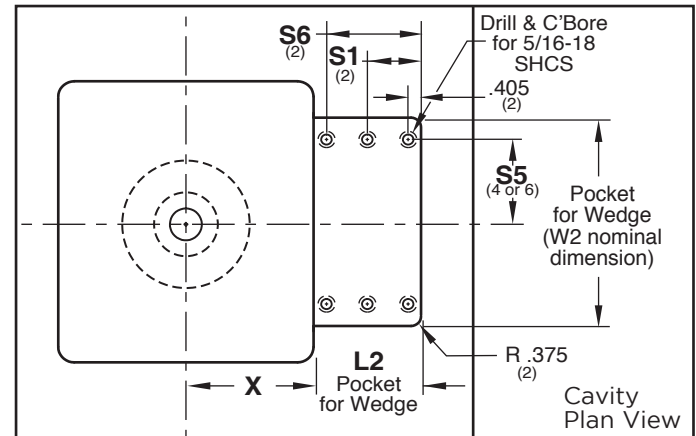
## APPLICATION GUIDELINES

- Machine pockets from the common location "X" to the dimensions shown in the chart and graphics below.
- High temperature assemblies include Slide Lock springs capable of reaching 600°F (315°C). Specify "-HT" at the end of the catalog number.
- Cooling channels are included on larger assemblies.
- Slide Faces are sold separately on page G-22.
- See page G-23 for additional machining details and for Mold-Ready Cam Pins.

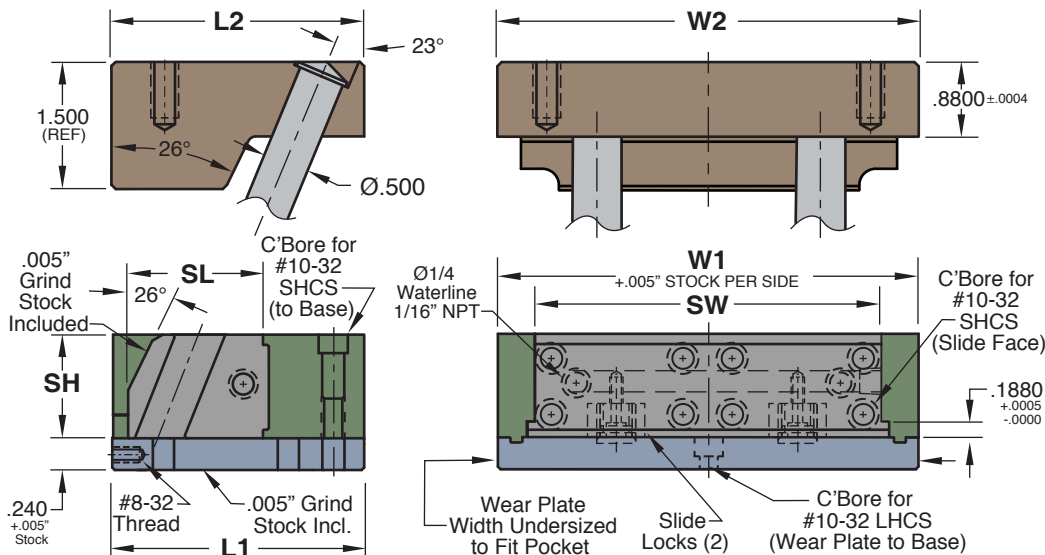
## Pocket and Machining Specifications



CAD insertion point



## Versa-Slide Part Dimensions



Assemblies include:

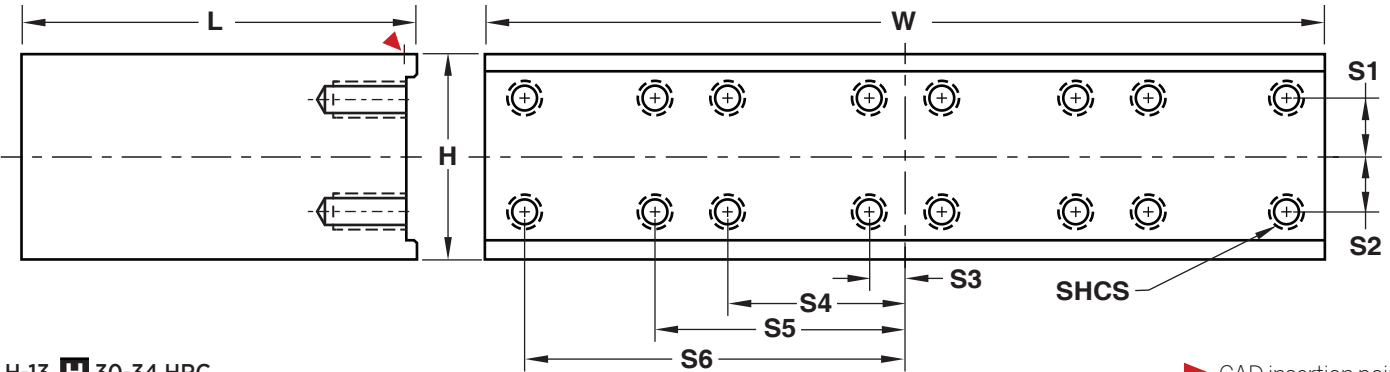
- All machined components with grind stock as noted.
- SLK-8A (2) Slide Locks.
- BR06 Brass Pipe Plug (1) for assemblies with cooling lines, -40 through -90.
- CP-30 Cam Pins (2), unfinished length.
- Screws are included with quantity varying per size:
  - #10-32 SHCS installed in the Guides through the Wear Plate to the mold base.
  - #10-32 SHCS for the Slide Face or manufactured slides.
  - #10-32 LHCS (2) for Wear Plate to base.
  - #8-32 LHCS for an optional positive slide stop.

| CATALOG<br>NUMBER | TRAVEL | SH<br>±.0005 | SW<br>+.0000<br>-.0005 | W1<br>+.005/S<br>GRIND<br>STOCK | W2<br>+.000<br>-.004 | SL    | L1<br>±.002 | L2<br>+.0000<br>-.0005 | S1<br>±.01 | S2<br>±.01 | S3<br>±.01 | S4<br>±.01 | S5<br>±.01 | S6<br>±.01 |
|-------------------|--------|--------------|------------------------|---------------------------------|----------------------|-------|-------------|------------------------|------------|------------|------------|------------|------------|------------|
| SL-45-10          | .800   | .640         | 4.375                  | 5.245                           | 5.249                | 1.560 | 2.360       | 2.370                  | —          | 1.995      | 2.421      | 1.680      | 1.954      | 1.965      |
| SL-45-20          | 1.300  |              |                        |                                 |                      |       | 2.860       | 2.870                  | —          | 2.495      |            | 2.180      |            | 2.465      |
| SL-45-30          | 1.800  |              |                        |                                 |                      |       | 3.360       | 3.370                  | 1.685      | 2.995      |            | 2.680      |            | 2.965      |
| SL-45-40          | .700   | 1.140        |                        |                                 |                      | 1.660 | 2.360       | 2.370                  | —          | 1.995      |            | 1.680      |            | 1.965      |
| SL-45-50          | 1.200  |              |                        |                                 |                      |       | 2.860       | 2.870                  | —          | 2.495      |            | 2.180      |            | 2.465      |
| SL-45-60          | 1.700  |              |                        |                                 |                      |       | 3.360       | 3.370                  | 1.685      | 2.995      |            | 2.680      |            | 2.965      |
| SL-45-70          | .500   | 1.640        |                        |                                 |                      | 1.860 | 2.360       | 2.370                  | —          | 1.995      |            | 1.680      |            | 1.965      |
| SL-45-80          | 1.000  |              |                        |                                 |                      |       | 2.860       | 2.870                  | —          | 2.495      |            | 2.180      |            | 2.465      |
| SL-45-90          | 1.500  |              |                        |                                 |                      |       | 3.360       | 3.370                  | 1.685      | 2.995      |            | 2.680      |            | 2.965      |

Cooling lines included on sizes with the suffixes of -40, -50, -60, -70, -80, and -90.

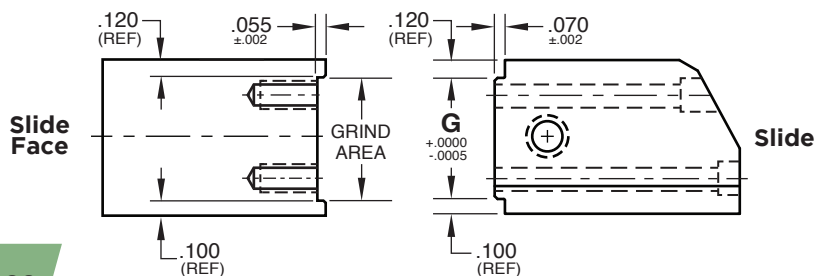
**VERSA-SLIDE****SLIDE FACES: 25-60 SERIES****APPLICATION GUIDELINES**

- Provided as soft H-13 for machining of part details, ready for heat treatment, coatings and final fitting within the Versa-Slide assemblies.
- The appropriate quantity of screws for attaching the Slide Face is included with each assembly sold on pages G15-G21.

**M** H-13 **H** 30-34 HRC

▶ CAD insertion point

| CATALOG NUMBER | H<br>+.005<br>/SIDE<br>GRIND<br>STOCK | W<br>+.005<br>/SIDE<br>GRIND<br>STOCK | L<br>+.005<br>/SIDE<br>GRIND<br>STOCK | G<br>SLIDE<br>(BELOW) | SHCS   | S1<br>±.01 | S2<br>±.01 | S3<br>±.01 | S4<br>±.01 | S5<br>±.01 | S6<br>±.01 | FOR USE WITH<br>SLIDE ASSEMBLY |
|----------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------|--------|------------|------------|------------|------------|------------|------------|--------------------------------|
| SLF-25101      | .640                                  | 1.375                                 | 2.050                                 | .420                  | #6-32  | .080       | .080       | .550       | —          | —          | —          | SL-25-10, -20, -30             |
| SLF-25102      | 1.140                                 |                                       |                                       | .920                  |        | .330       | .330       |            | —          | —          | —          | SL-25-40, -50, -60             |
| SLF-25103      | 1.640                                 |                                       |                                       | 1.420                 |        | .580       | .580       |            | —          | —          | —          | SL-25-70, -80, -90             |
| SLF-30101      | .640                                  | 2.063                                 | 2.050                                 | .420                  | #8-32  | .020       | —          | .885       | —          | —          | —          | SL-30-10, -20, -30             |
| SLF-30102      | 1.140                                 |                                       |                                       | .920                  |        | .340       | .365       |            | —          | —          | —          | SL-30-40, -50, -60             |
| SLF-30103      | 1.640                                 |                                       |                                       | 1.420                 |        | .590       | .615       |            | —          | —          | —          | SL-30-70, -80, -90             |
| SLF-40101      | .640                                  | 3.188                                 | 2.050                                 | .420                  | #10-32 | CENTER     | —          | 1.385      | —          | —          | —          | SL-40-10, -20, -30             |
| SLF-40102      | 1.140                                 |                                       |                                       | .920                  |        | .320       | .340       |            | —          | —          | —          | SL-40-40, -50, -60             |
| SLF-40103      | 1.640                                 |                                       |                                       | 1.420                 |        | .570       | .590       |            | —          | —          | —          | SL-40-70, -80, -90             |
| SLF-45101      | .640                                  | 4.375                                 | 2.050                                 | .420                  | #10-32 | CENTER     | —          | .192       | —          | —          | —          | SL-45-10, -20, -30             |
| SLF-45102      | 1.140                                 |                                       |                                       | .920                  |        | .320       | .340       |            | —          | —          | —          | SL-45-40, -50, -60             |
| SLF-45103      | 1.640                                 |                                       |                                       | 1.420                 |        | .570       | .590       |            | —          | —          | —          | SL-45-70, -80, -90             |
| SLF-50101      | .640                                  | 5.624                                 | 2.050                                 | .420                  | #10-32 | CENTER     | —          | .192       | —          | —          | —          | SL-50-10, -20, -30             |
| SLF-50102      | 1.140                                 |                                       |                                       | .920                  |        | .320       | .340       |            | —          | —          | —          | SL-50-40, -50, -60             |
| SLF-50103      | 1.640                                 |                                       |                                       | 1.420                 |        | .570       | .590       |            | —          | —          | —          | SL-50-70, -80, -90             |
| SLF-55101      | .640                                  | 7.124                                 | 2.050                                 | .420                  | #10-32 | CENTER     | —          | .192       | —          | —          | —          | SL-55-10, -20, -30             |
| SLF-55102      | 1.140                                 |                                       |                                       | .920                  |        | .320       | .340       |            | —          | —          | —          | SL-55-40, -50, -60             |
| SLF-55103      | 1.640                                 |                                       |                                       | 1.420                 |        | .570       | .590       |            | —          | —          | —          | SL-55-70, -80, -90             |
| SLF-60101      | .640                                  | 8.749                                 | 2.050                                 | .420                  | #10-32 | CENTER     | —          | .192       | —          | —          | —          | SL-60-10, -20, -30             |
| SLF-60102      | 1.140                                 |                                       |                                       | .920                  |        | .320       | .340       |            | 1.995      | 2.379      | 4.183      | SL-60-40, -50, -60             |
| SLF-60103      | 1.640                                 |                                       |                                       | 1.420                 |        | .570       | .590       |            | —          | —          | —          | SL-60-70, -80, -90             |

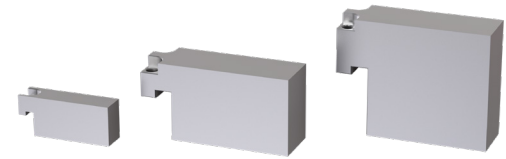
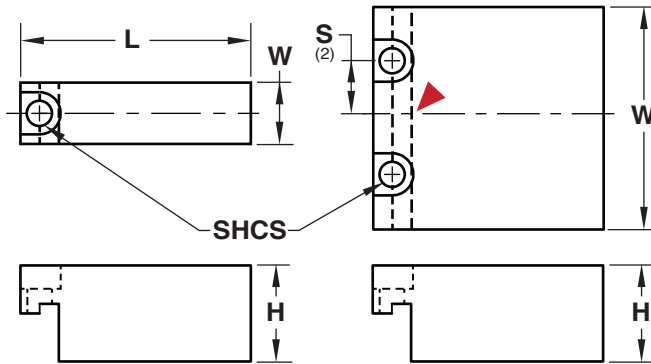
**MACHINING GUIDELINES**

- The Slide Face has .005" grinding stock per side on the gib area. The area marked "Grind" needs to be machined to fit the mating Slide.
- When assembled with the screws, there will still be a gap between the .055 slot on the Slide Face and the .070 area on the Slide.



## VERSA-SLIDE

### SLIDE FACES: 10 & 20 SERIES



**M** P-20 **H** 28-32 HRC

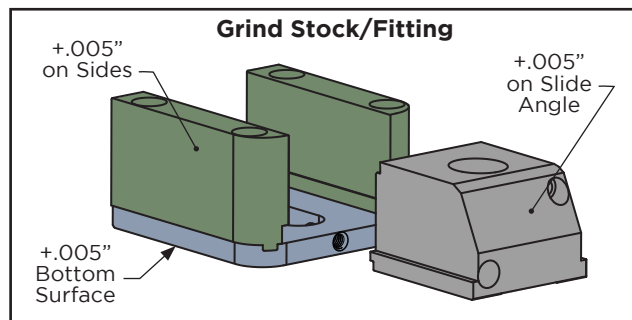
▶ CAD insertion point

| CATALOG NUMBER | H<br>±.0005 | W<br>+.0000<br>-.0003 | L<br>+.005<br>-.000 | SHCS  | S1<br>±.01 | FOR USE WITH<br>SLIDE ASSEMBLY |
|----------------|-------------|-----------------------|---------------------|-------|------------|--------------------------------|
| SLF-10100      | .5000       | .3200                 | 1.200               | #4-40 | —          | SL-10-10                       |
| SLF-10101      |             | 1.3200                |                     |       | .375       | SL-10-20                       |
| SLF-20101      | .4600       | .6250                 | 1.900               | #5-40 | .205       | SL-20-10                       |
| SLF-20102      | .9600       |                       |                     |       |            | SL-20-20                       |
| SLF-20103      | 1.3900      |                       |                     |       |            | SL-20-30                       |

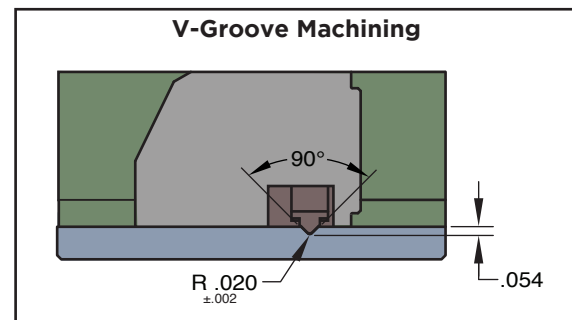
#### APPLICATION GUIDELINES

- The 10 & 20 Series Slide Faces are finished ground; no additional machining or fitting is required.

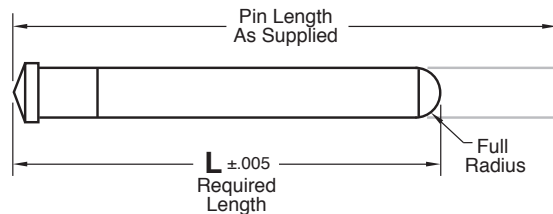
#### MACHINING GUIDELINES



- Grind stock is included on the Guides and bottom of the Wear Plates. Machine to fit the pockets to the W1 dimensions shown on the individual series pages.
- For the Slide, grind stock is included on the back to allow for adjustment with the mating Wedge.
- The width of the Wear Plate is undersized to fit into the pocket.



- Machine V-Groove in the top of the Wear Plates to accept the Slide Lock in all Versa-Slide assemblies 25 Series and larger.
- For the 20 Series assemblies, machine the V-Groove in the bottom of the Slide.



#### CAM PINS

- CP-20 (3/8 diameter) and CP-30 (1/2 diameter) Cam Pins are to be machined on the length by the mold maker to accommodate the final travel requirement.
- Mold-Ready Cam Pins are available as shown below.

| STANDARD CAM PIN<br>CATALOG NUMBER | PIN LENGTH<br>AS SUPPLIED |
|------------------------------------|---------------------------|
| CP-20                              | 6.03                      |
| CP-30                              | 7.05                      |

#### To Order Mold-Ready Cam Pins:

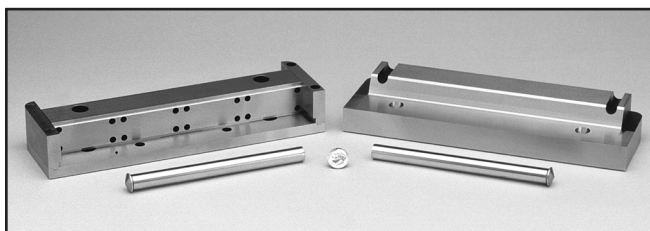
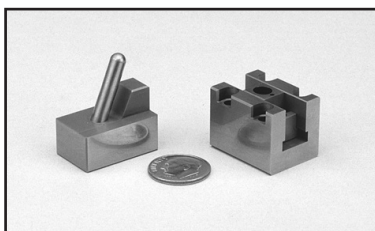
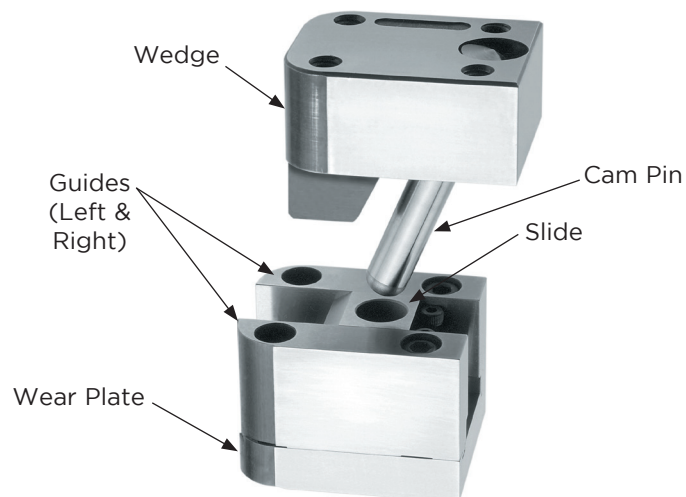
- Specify the size of the pin (CP-20 or CP-30) and the length required.
- Example: CP-30 L6.244 is a 1/2" diameter Cam Pin machined to 6.244" long with a full radius. Longer-than-standard lengths can also be quoted.
- Submit an email to tech@procomps.com with the quantity required.

## VERSA-SLIDE® SELECTION GUIDE

Progressive's Versa-Slide assemblies, a product line acquired from Omni Mold Systems®, offer a range of pre-engineered, off-the-shelf side actions.

- Wide range of sizes and travels.
- Slide Faces are available for all assemblies, sold separately.
- For application assistance, please contact [tech@procomps.com](mailto:tech@procomps.com).

| PART NAME                                  | MATERIAL                                       |
|--------------------------------------------|------------------------------------------------|
| Slide                                      | H-13, 48-50 HRC                                |
| Wedge                                      | S-7, 54-56 HRC                                 |
| Guide Shoe (10 Series)<br>Guides           | S-7, 54-56 HRC                                 |
| Wear Plate                                 | S-7, 54-56 HRC                                 |
| Cam Pin: CP-10-A<br>Cam Pin: CP-20 & CP-30 | H-13, 50-52 HRC<br>H-13, Nitrided to 65-70 HRC |



| CAM TRAVEL RANGE | OVERALL WIDTH (WT) INCLUDING GRIND STOCK | SLIDE WIDTH (SW) | SLIDE HEIGHT (SH) | VERSA-SLIDE SERIES | PAGE NUMBER |
|------------------|------------------------------------------|------------------|-------------------|--------------------|-------------|
| .250             | .760 - 1.760                             | .320-1.320       | .500              | 10 Series          | G-15        |
| .500 - .600      | 1.510                                    | .625             | .460 - 1.460      | 20 Series          | G-16        |
| .500 - 1.800     | 2.260                                    | 1.375            | .640 - 1.640      | 25 Series          | G-17        |
| .500 - 1.800     | 2.948                                    | 2.063            | .640 - 1.640      | 30 Series          | G-17        |
| .500 - 1.800     | 4.073                                    | 3.188            | .640 - 1.640      | 40 Series          | G-18        |
| .500 - 1.800     | 5.255                                    | 4.375            | .640 - 1.640      | 45 Series          | G-19        |
| .500 - 1.800     | 6.510                                    | 5.624            | .640 - 1.640      | 50 Series          | G-20 & G-21 |
| .500 - 1.800     | 8.005                                    | 7.124            | .640 - 1.640      | 55 Series          | G-20 & G-21 |
| .500 - 1.800     | 9.635                                    | 8.749            | .640 - 1.640      | 60 Series          | G-20 & G-21 |

### APPLICATION GUIDELINES

- Select the Versa-Slide based on the detail width and the required travel.
- Refer to individual pages for detailed specifications.
- Slide Faces are sold separately on page G-22.
- Machining instructions can be found on page G-23.