

VERSA-SLIDE

40 SERIES

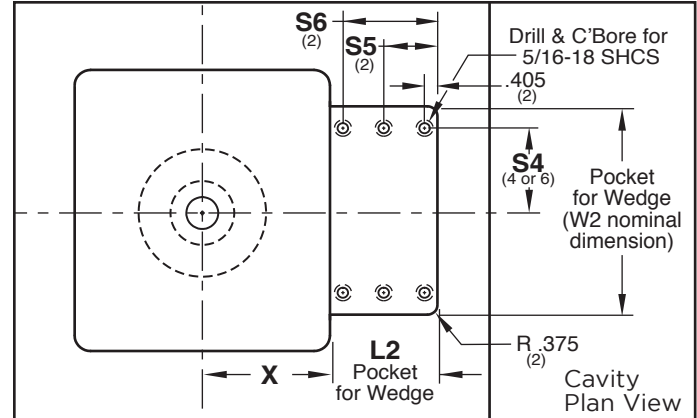
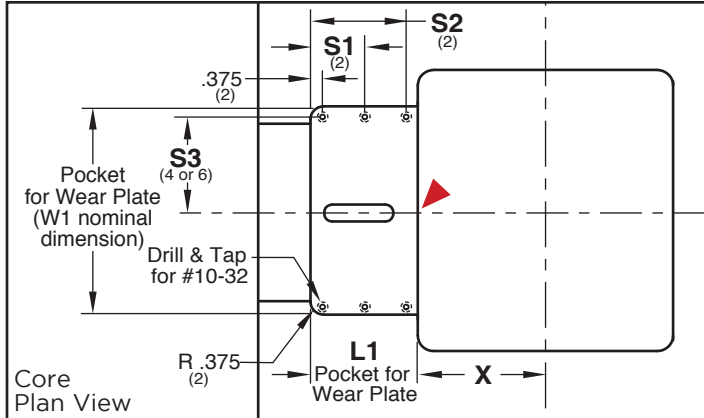


APPLICATION GUIDELINES

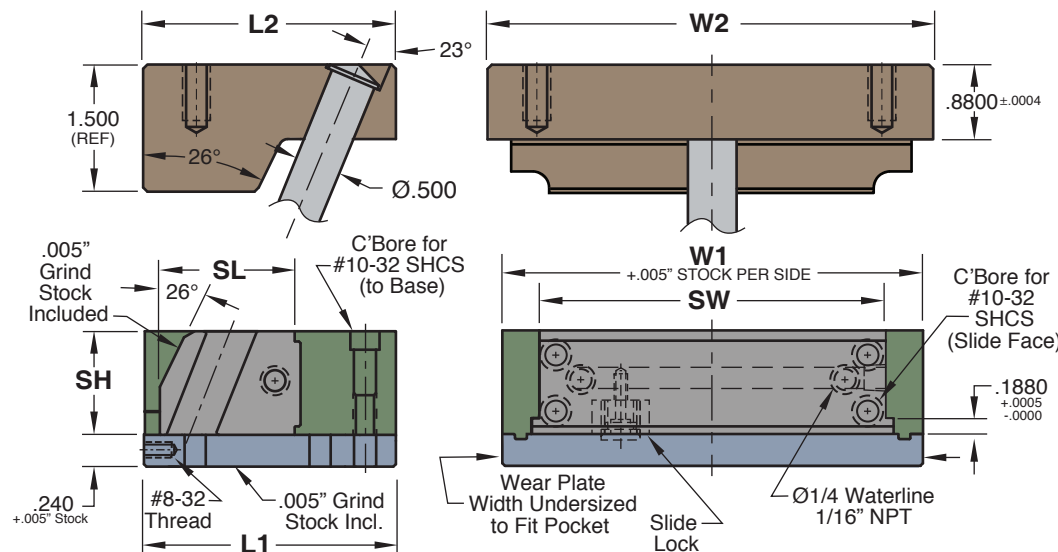
- Machine pockets from the common location "X" to the dimensions shown in the chart and graphics below.
- High temperature assemblies include Slide Lock springs capable of reaching 600°F (315°C). Specify "-HT" at the end of the catalog number.
- Cooling channels are included on larger assemblies.
- Slide 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:

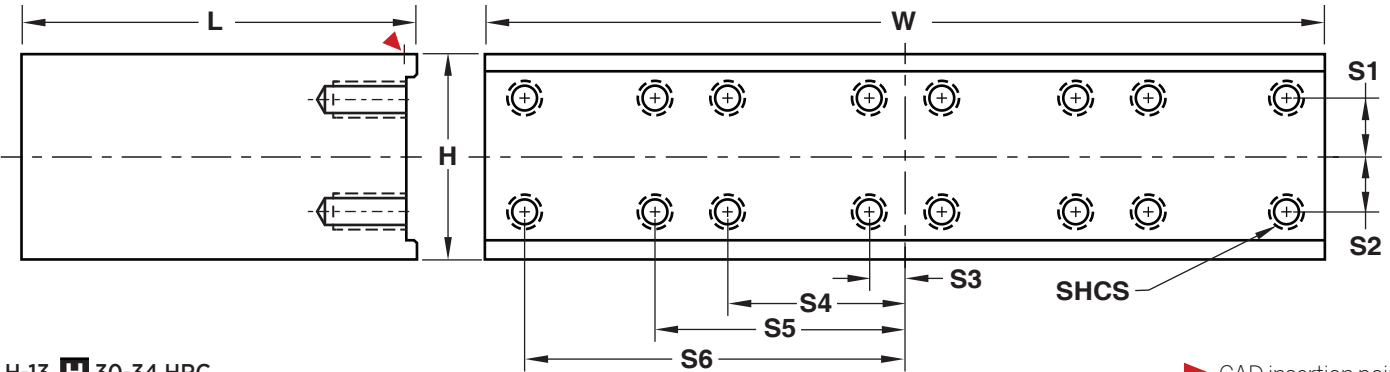
- All machined components with grind stock as noted.
- SLK-8A (1) Slide Lock.
- BR06 (1) Brass Pipe Plugs for assemblies with cooling lines. -40 through -90.
- CP-30 Cam Pin (1), unfinished length.
- Screws are included with quantity varying per size:
 - #10-32 SHCS installed in the Guides through the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

CATALOG NUMBER	TRAVEL	SH ±.0005	SW +.0000 -.0005	W1 +.005/S GRIND STOCK	W2 +.000 -.004	SL	L1 ±.002	L2 +.0000 -.0005	S1 ±.01	S2 ±.01	S3 ±.01	S4 ±.01	S5 ±.01	S6 ±.01
SL-40-10	.800	.640	3.188	4.063	4.062	1.560	2.360	2.370	—	1.995	1.828	1.360	—	1.965
SL-40-20	1.300						2.860	2.870	—	2.495			—	2.465
SL-40-30	1.800						3.360	3.370	1.685	2.995			1.685	2.965
SL-40-40	.700	1.140				1.660	2.360	2.370	—	1.995			—	1.965
SL-40-50	1.200						2.860	2.870	—	2.495			—	2.465
SL-40-60	1.700						3.360	3.370	1.685	2.995			1.685	2.965
SL-40-70	.500	1.640				1.860	2.360	2.370	—	1.995			—	1.965
SL-40-80	1.000						2.860	2.870	—	2.495			—	2.465
SL-40-90	1.500						3.360	3.370	1.685	2.995			1.685	2.965

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

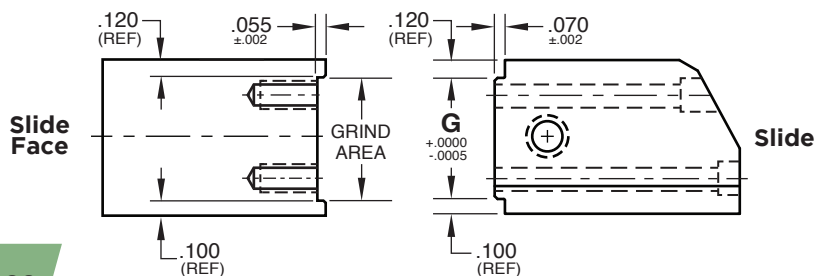
VERSA-SLIDE**SLIDE FACES: 25-60 SERIES****APPLICATION GUIDELINES**

- 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 +.005 /SIDE GRIND STOCK	W +.005 /SIDE GRIND STOCK	L +.005 /SIDE GRIND STOCK	G SLIDE (BELOW)	SHCS	S1 ±.01	S2 ±.01	S3 ±.01	S4 ±.01	S5 ±.01	S6 ±.01	FOR USE WITH 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

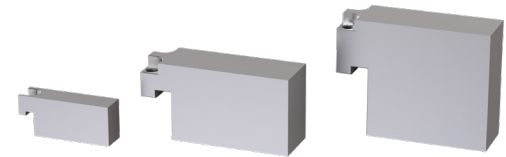
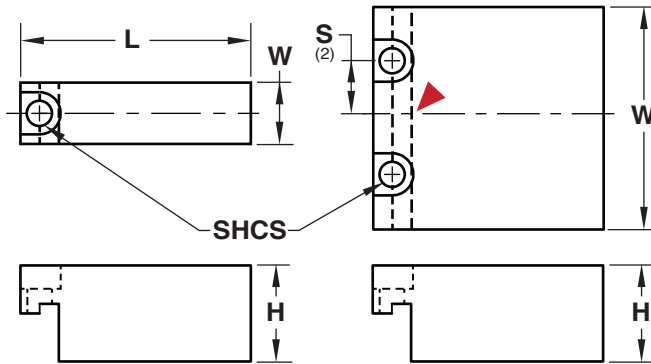
**MACHINING GUIDELINES**

- 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

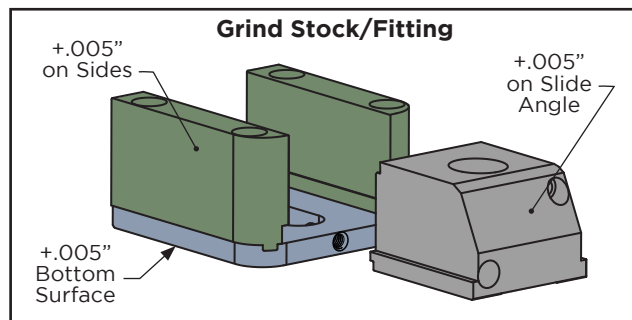
▶ CAD insertion point

CATALOG NUMBER	H ±.0005	W +.0000 -.0003	L +.005 -.000	SHCS	S1 ±.01	FOR USE WITH 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

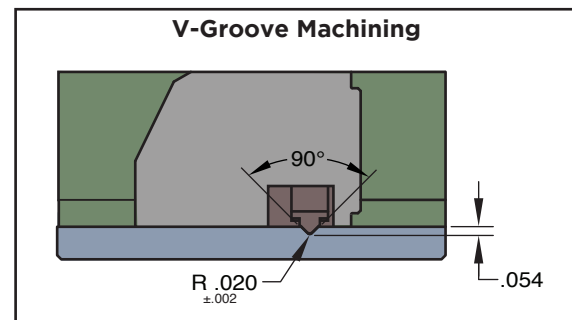
APPLICATION GUIDELINES

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

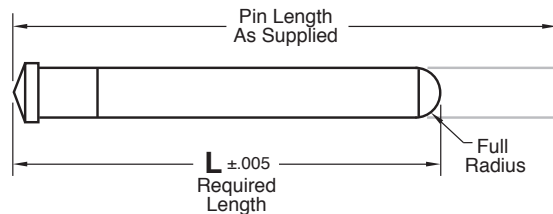
MACHINING GUIDELINES



- 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 CATALOG NUMBER	PIN LENGTH AS SUPPLIED
CP-20	6.03
CP-30	7.05

To Order Mold-Ready Cam Pins:

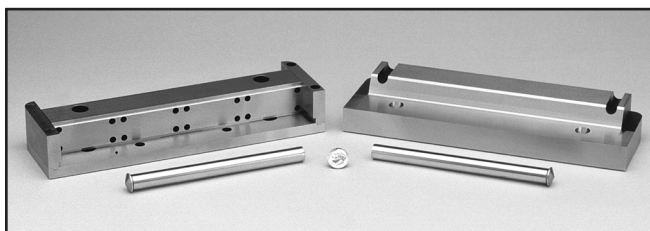
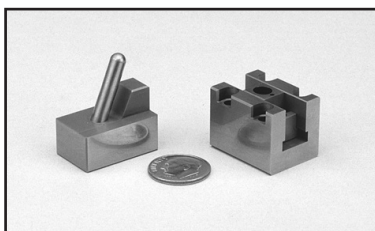
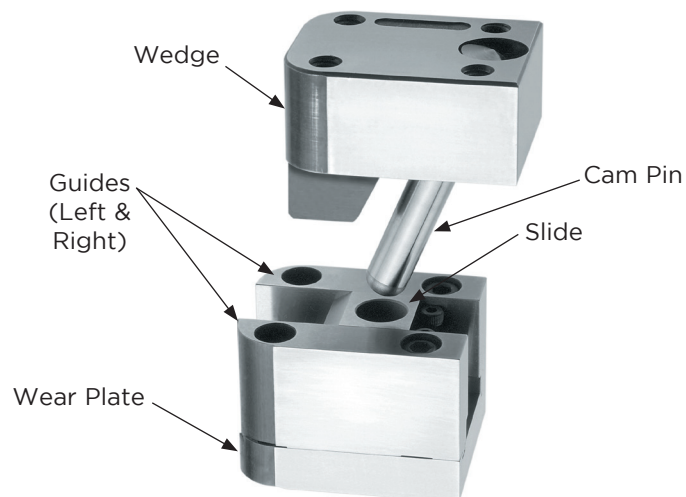
- Specify the size of the pin (CP-20 or CP-30) and the length required.
- Example: CP-30 L6.244 is a 1/2" diameter Cam Pin machined to 6.244" long with a full radius. Longer-than-standard lengths can also be quoted.
- Submit an email to tech@procomps.com with the quantity required.

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.

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



CAM TRAVEL RANGE	OVERALL WIDTH (W) 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.