



# MINIATURE SLIDE RETAINERS

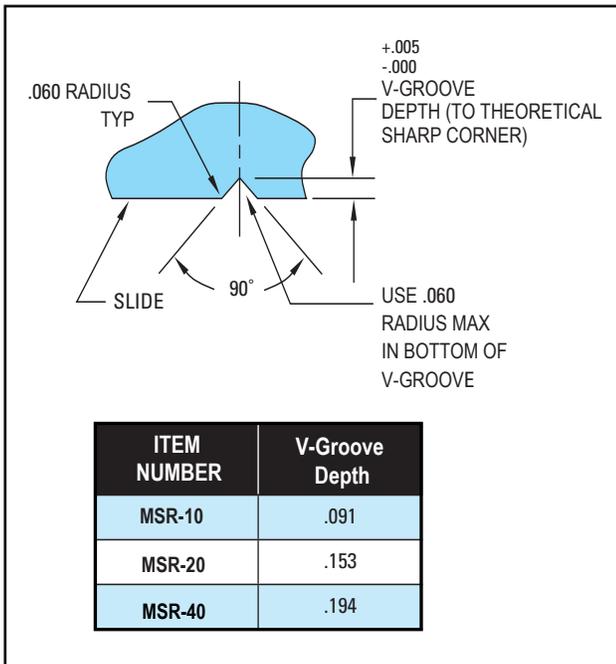
COMPONENT GUYS INC.



(U.S. Patent No. 5,397,226)

- Three sizes with slide ratings for 22, 44 and 88 lbs.
- Small in size yet strong holding capacity
- Self contained product design facilitates easy installation
- Slide can be removed without removing the slide retainer from the mold

## Installation Dimensions for Machining V-Groove in Slide



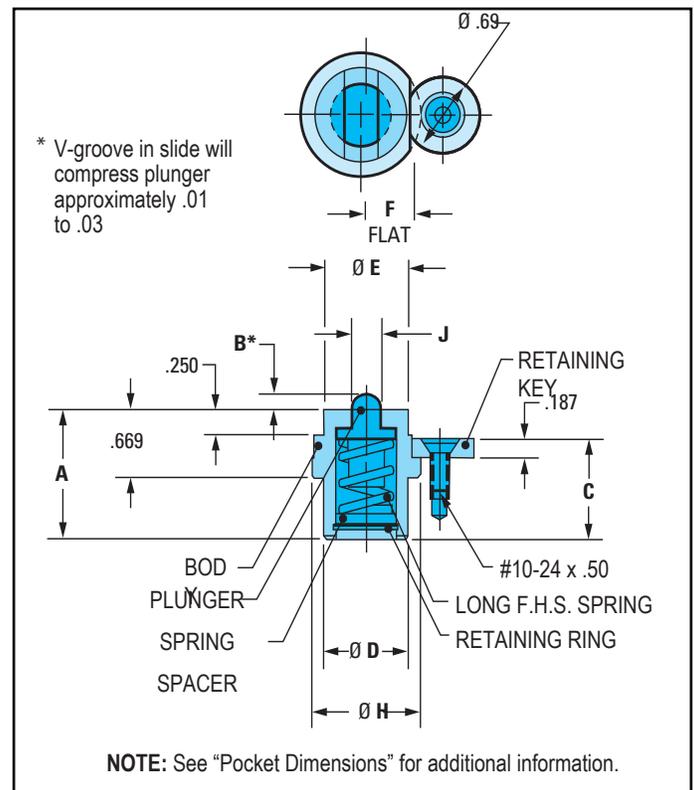
ITEM NUMBER	MAXIMUM RECOMMENDED HOLDING WEIGHT
MSR-10	10 POUNDS
MSR-20	20 POUNDS
MSR-40	40 POUNDS

†Each includes: slide retainer assembly, retaining key and #10-24 x .50 long flat head screw. Replacement parts are special order.

## Dimensional Information for Miniature Slide Retainers

Material: Hardened H-13 Steel (Body and Plunger)

ITEM NUMBER	A	B	C	Ø D	Ø E	F FLAT	Ø H	J PLUNGER
MSR-10	1.08	.072	.795	.620	.630	.375	.866	.188
MSR-20	1.32	.121	1.035	.740	.748	.420	.984	.250
MSR-40	1.26	.149	.975	.870	.866	.468	1.102	.312



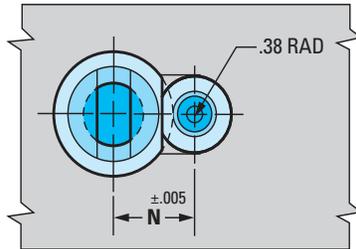


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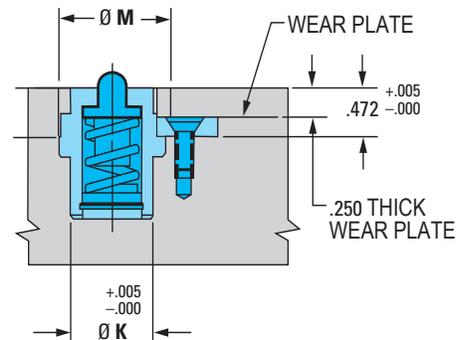
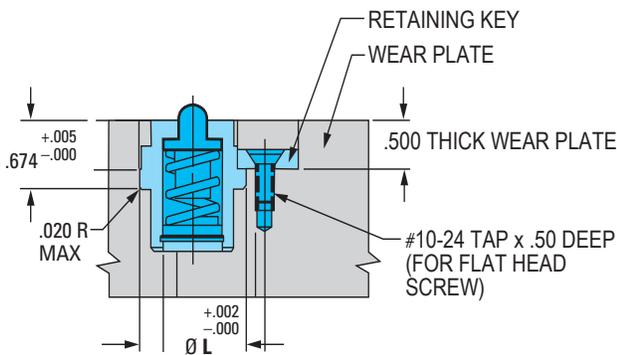
## Pocket Dimensions for Miniature Slide Retainers

**NOTE:** .500 thick wear plate can also be used to key and retain Mini-Might slide retainer instead of retaining key. Mold maker to machine to suit.

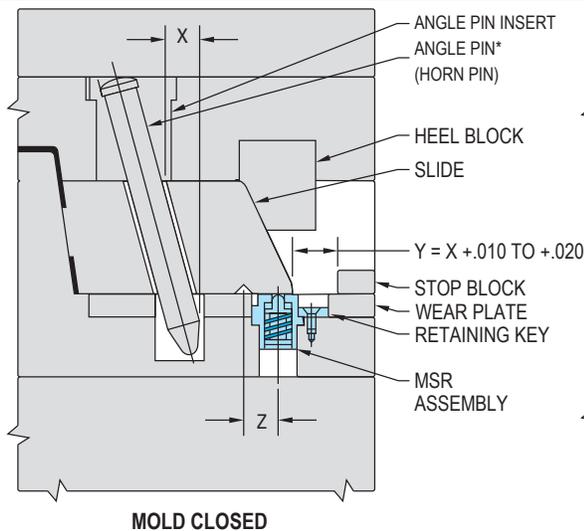


ITEM NUMBER	Ø K	Ø L	Ø M	N DIM
MSR-10	.625	.869	.94	.670
MSR-20	.750	.987	1.06	.715
MSR-40	.875	1.105	1.19	.763

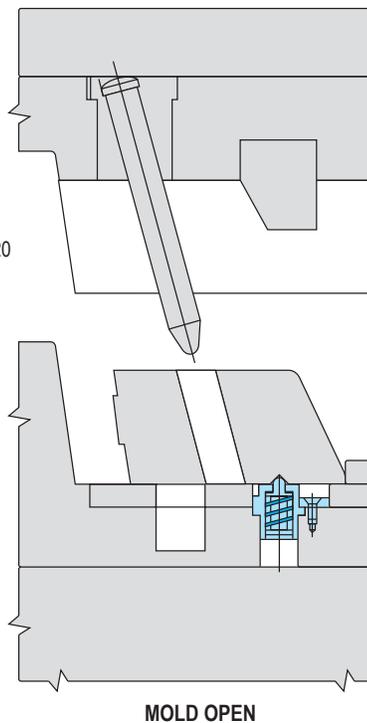
**NOTE:** Use  $.028^{+.000}_{-.005}$  thick spacer under retaining key when mold has been machined for .500 thick wear plate. Mold maker to machine to suit.



## Typical Application of Miniature Slide Retainers



X = SLIDE TRAVEL CAUSED BY ANGLE PIN  
 Z = V-GROOVE LOCATION IN SLIDE FROM CENTERLINE OF SLIDE RETAINER  
 X = Z  
 Y = STOP BLOCK LOCATION



### NOTES:

1. Lubricate all metal-to-metal contact areas before first use and every 100,000 cycles (or more frequently as required). Use a good grade of moldmakers' non-melting type grease rated for the operating temperature to be encountered.
2. Replace compression spring every 1,000,000 cycles or as required.
3. Do not operate at temperatures exceeding 250°F.