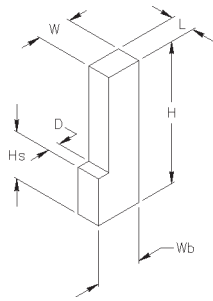


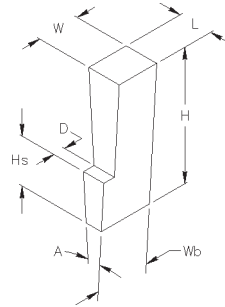
# General Marking Guidelines

## Blank Dimensions



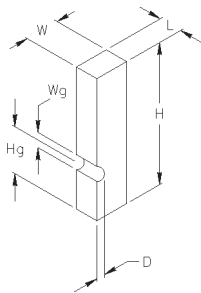
### Straight Step Type

L = length  
 W = width  
 H = height  
 $H_s$  = height from step to bottom of die  
 D = depth of step  
 $W_b$  = overall width of blank  
 ( $L \times W \times H$ )  
 step: ( $H_s \times D$ )



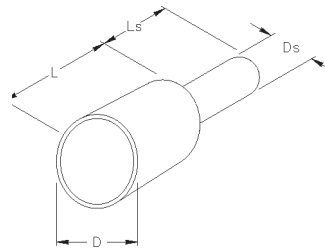
### Knurl Step Type

L = length  
 W = width  
 H = height  
 $H_s$  = height from step to bottom of die  
 D = depth of step  
 $W_b$  = overall width of blank  
 A = angle  
 ( $L \times W \times H$ )  
 step:  $H_s \times D$  angle: A



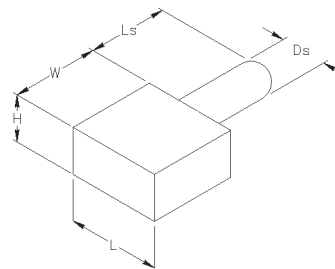
### Straight Groove Type

L = length  
 W = width  
 H = height  
 $H_g$  = height from middle of groove to bottom of die  
 $W_g$  = width of groove  
 D = depth of groove  
 ( $L \times W \times H$ )  
 groove: ( $H_g \times W_g \times D$ )



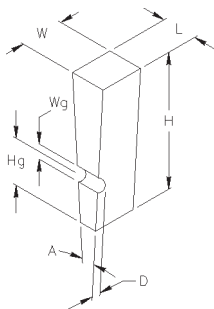
### Shank Style Round Die

L = length of body  
 D = diameter of body  
 $L_s$  = length of shank  
 $D_s$  = diameter of shank  
 ( $D \times L$ )  
 shank: ( $D_s \times L_s$ )



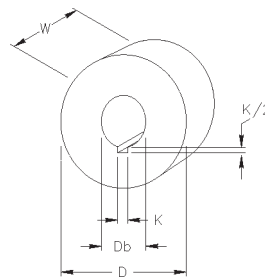
### Shank Style Rectangular Die

L = length of die  
 W = width of die  
 H = height of die  
 $D_s$  = diameter of shank  
 $L_s$  = length of shank  
 ( $L \times W \times H$ )  
 shank: ( $D_s \times L_s$ )



### Knurl Groove Type

L = length  
 W = width  
 H = height  
 $H_g$  = height from middle of groove to bottom of die  
 $W_g$  = width of groove  
 D = depth of groove  
 A = angle  
 ( $L \times W \times H$ )  
 groove: ( $H_g \times W_g \times D$ )  
 angle: A



### Lettering Knurl (Round Die)

D = diameter  
 W = width  
 $D_b$  = diameter of bore  
 K = width of keyway  
 $K/2$  = depth of keyway  
 ( $D \times W \times D_b \times K \times K/2$ )