

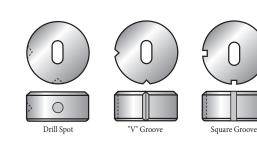


# **Die Options**

### LOCATING SPOTS AND GROOVES

Cleveland Steel Tool offers a Whistle Spot as a standard locating spot on shaped dies. Other Locating Spots and Grooves are available to fit your machine.

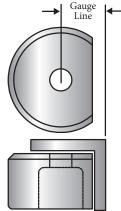




# **SPECIAL TOOLS FOR ANGLE AND I-BEAM**

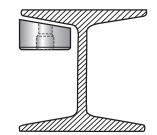
#### Flat Sided Dies

A Flat Sided Die allows a hole to be punched closer to the Gauge Line on Angle Iron.



#### **Bevel Top Dies**

Bevel Top Dies and Bevel Corrugated Dies are used when punching structural "I" beams, to maintain vertical punch and die alignment and to prevent slipping of punched material.







Bevel Corrugated Top

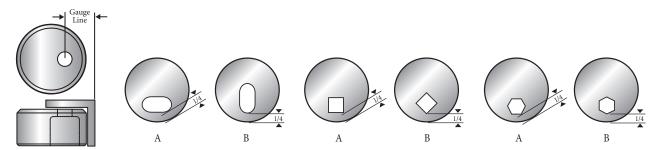
# **Eccentric/Offset Punch**

Using a Punch with an Offset Hole allows the hole to be punched closer to a desired gauge line. The punch must have the same offset as the die.



# **ECCENTRIC/OFFSET DIE HOLE POSITION**

Using a Die with an Offset Hole allows the hole to be punched closer to a desired gauge line. A minimum  $\frac{1}{4}$  wall thickness is required.



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