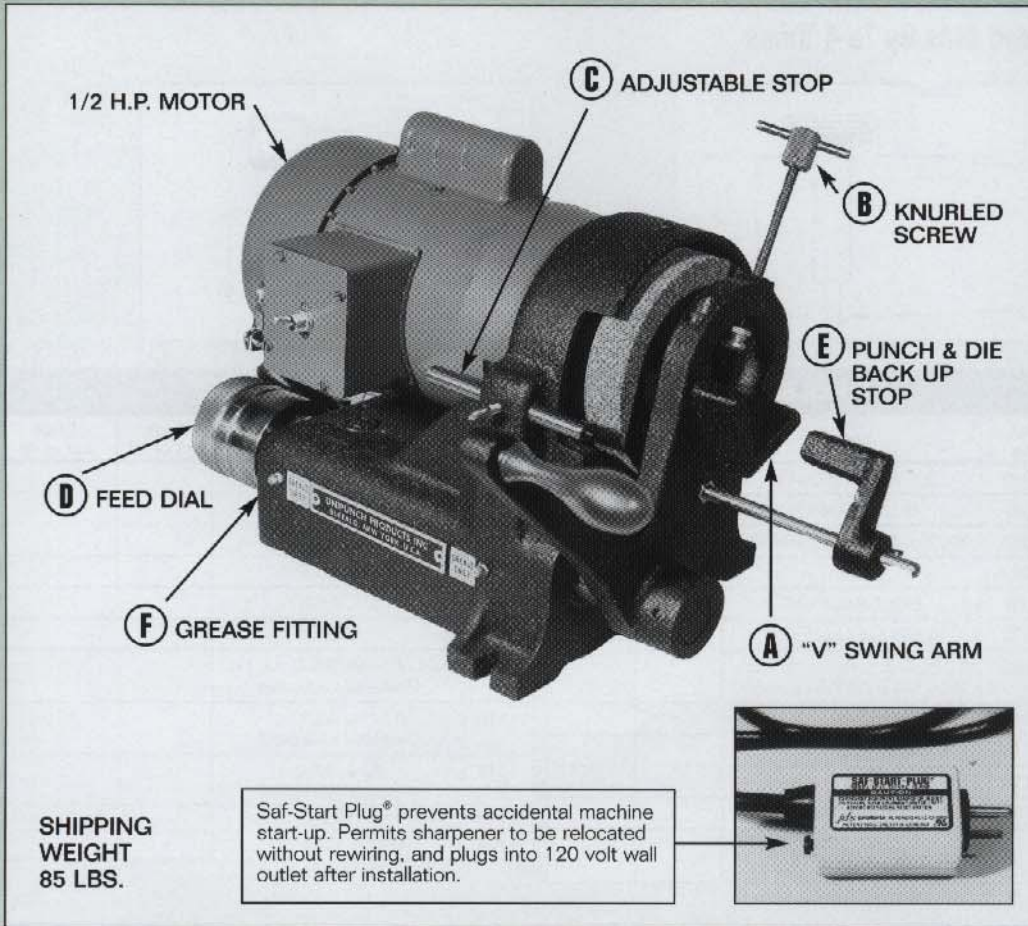


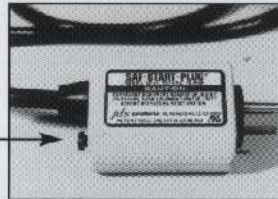
Description	Cat. No.	Price
Sharpener Complete with Grinding Wheel	1125	
Grinding Wheel	1145	
Diamond Wheel Dresser	1135	
Spray Mist Attachment	1129	
Punch & Die Gage – A series	2068	
Punch & Die Gage – B series	3068	
Safety Shield	1179	

# Punch & Die Sharpener



**SHIPPING WEIGHT**  
85 LBS.

Saf-Start Plug® prevents accidental machine start-up. Permits sharpener to be relocated without rewiring, and plugs into 120 volt wall outlet after installation.



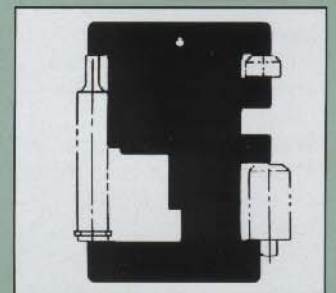
Grinding Wheel/Diamond Dresser



Spray Mist Attachment



Safety Shield



Punch & Die Gages

Refer to tool maintenance for additional sharpening information.

Punch and Die Sharpener is a bench type grinder. Simplicity of design and operation allows quick and easy sharpening of Flat Face Punches and Dies up to 2 5/8" (66.68 mm) diameter maximum.

For best results, the Sharpener should be bolted to a level worktable with the Swing Arm Punch and Die Holder handle extending beyond the edge of the table. The sharpener has a 1/2 H.P., 3450-RPM 115/208/230-volt 60 cycle motor. The Punch or Die is positioned in Swing Arm (A) and fastened securely in position with Knurled Head Screw (B). Adjustable Stop (C) is used for positioning of Punches and Dies in relation to grinding surface of the Wheel. Spring-loaded Ball Stop prevents binding as Punch or Die passes the gauge point. Laying straight edge across face of wheel sets the location of adjustable stop in relation to face of grinding wheel. The stop is adjusted out to it.

Holding Swing Arm Handle in right hand, swing up past the wheel while turning knurled feed dial (D) with left hand for precision control of feed. Each mark on the dial indicates .005" (.13 mm) feed. Adjust Back-up Stop (E) along bar to back up Punches and Dies. This Back-up Stop is also used to insure grinding Punches and Dies to the same lengths. Optional Spray Mist Attachment (Cat.No.1129) is available for mist cooling and lubricating Punches and Dies, and is equipped with a one-gallon tank, one nozzle, bracket, five-foot double tubing and operates from an air line pressure of 6 psi and up. Air inlet is 1/4" NPS(M). Grinding tolerance – 1"(25.4 mm) diameter rod ground 90 degrees within .003" (.08 mm).

Grease Fittings (F) are provided for periodic lubrication of Swing Arm. Totally enclosed self-lubricating motor will give years of trouble-free service. Sharpener should be regularly cleaned of grinding dust.

To dress grinding wheel, the Diamond Dresser, Cat. No. 1135, is secured in 'V' of Swing Arm and adjusted to the face of the wheel by means of the Knurled Feed Dial (D). Swing diamond across wheel at a steady, slow speed removing a few thousandths on each pass until properly dressed.

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