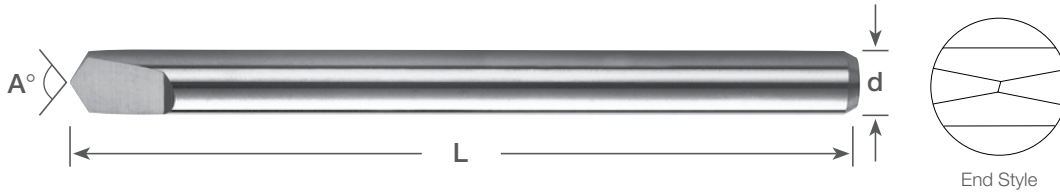


# SPADE

MICRO ENGRAVING TOOLS FOR SPOTTING OR CHAMFERING

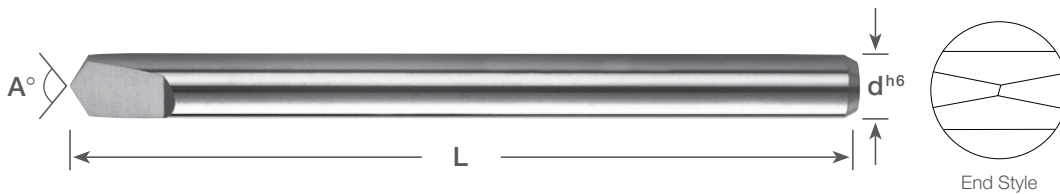
**30° - 118° ANGLES**  
Mirror Surface Finishes  
Sub Micron Grain Carbide



## 1/8" Shank

Symbol Descriptions [Page 7](#)

A° <sup>+1°</sup> / <sub>-1°</sub>	Dimensions (in)		Uncoated	
	d	L	Part Number	Stock
30°	1/8	1 1/2	SPD1250-030	●
45°	1/8	1 1/2	SPD1250-045	●
60°	1/8	1 1/2	SPD1250-060	●
90°	1/8	1 1/2	SPD1250-090	●
118°	1/8	1 1/2	SPD1250-118	●



## 3.00mm Shank

Symbol Descriptions [Page 7](#)

A° <sup>+1°</sup> / <sub>-1°</sub>	Dimensions (mm)		Uncoated	
	d <sup>h6</sup>	L	Part Number	Stock
30°	3	38	SPD1181-030	●
45°	3	38	SPD1181-045	●
60°	3	38	SPD1181-060	●
90°	3	38	SPD1181-090	●
118°	3	38	SPD1181-118	●

### SERIES SPD WORKPIECE MATERIAL

Coating	P Steel ~30HRC	P Steel 30-40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
Uncoated	★	★	☆	☆	☆		☆	☆	☆	☆				☆	☆

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

- DRILLS
- END MILLS
- ROUTERS
- THREAD MILLS & TAPS
- ENGRAVERS
- BORING BARS
- REAMERS
- SAWS
- TECHNICAL
- INDEX