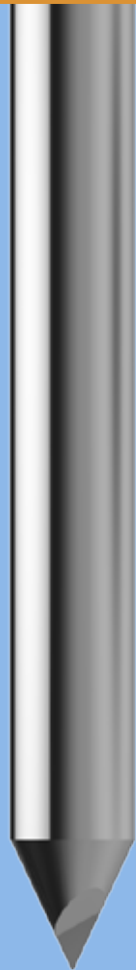


SPHINX

NEW!

ENGRAVING CUTTER

Solid Carbide Engraving
Cutters for Long Tool Life



A PRODUCT OF:

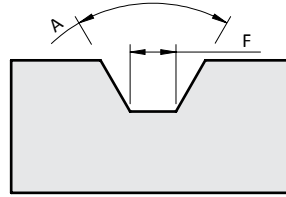
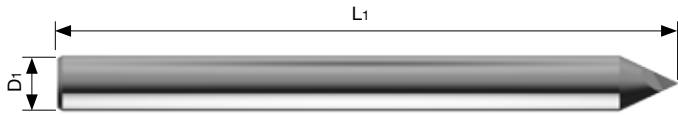
BIG KAISER[®]

PRECISION TOOLING INC.

Higher Performance. Guaranteed.

ENGRAVING TOOLS WITH FLAT

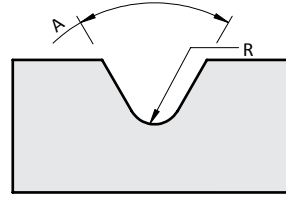
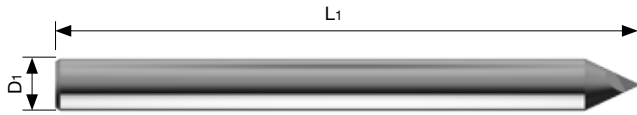
- Wide range of point geometries to fit user specific needs from ϕ .0008"-.006" and offered with full radius or tapered angles
- Solid carbide for long tool life
- Sharp, positive cutting geometry for burr-free surface finishes and smooth transitions



Point Angle A	Flat Width		OAL L1	Diameter D1	Catalog Number
	F (mm)	F (in.)			
30°	.02	.0008	33	3.00	40.70030.0002
	.03	.0012	33	3.00	40.70030.0003
	.04	.0016	33	3.00	40.70030.0004
	.05	.0020	33	3.00	40.70030.0005
	.06	.0024	33	3.00	40.70030.0006
	.07	.0028	33	3.00	40.70030.0007
	.08	.0031	33	3.00	40.70030.0008
	.09	.0035	33	3.00	40.70030.0009
	.10	.0039	33	3.00	40.70030.0010
	.12	.0047	33	3.00	40.70030.0012
	.15	.0059	33	3.00	40.70030.0015
40°	.02	.0008	33	3.00	40.70040.0002
	.03	.0012	33	3.00	40.70040.0003
	.04	.0016	33	3.00	40.70040.0004
	.05	.0020	33	3.00	40.70040.0005
	.06	.0024	33	3.00	40.70040.0006
	.07	.0028	33	3.00	40.70040.0007
	.08	.0031	33	3.00	40.70040.0008
	.09	.0035	33	3.00	40.70040.0009
	.10	.0039	33	3.00	40.70040.0010
	.12	.0047	33	3.00	40.70040.0012
	.15	.0059	33	3.00	40.70040.0015
50°	.02	.0008	33	3.00	40.70050.0002
	.03	.0012	33	3.00	40.70050.0003
	.04	.0016	33	3.00	40.70050.0004
	.05	.0020	33	3.00	40.70050.0005
	.06	.0024	33	3.00	40.70050.0006
	.07	.0028	33	3.00	40.70050.0007
	.08	.0031	33	3.00	40.70050.0008
	.09	.0035	33	3.00	40.70050.0009
	.10	.0039	33	3.00	40.70050.0010
	.12	.0047	33	3.00	40.70050.0012
	.15	.0059	33	3.00	40.70050.0015

Point Angle A	Flat Width		OAL L1	Diameter D1	Catalog Number
	F (mm)	F (in.)			
60°	.02	.0008	33	3.00	40.70060.0002
	.03	.0012	33	3.00	40.70060.0003
	.04	.0016	33	3.00	40.70060.0004
	.05	.0020	33	3.00	40.70060.0005
	.06	.0024	33	3.00	40.70060.0006
	.07	.0028	33	3.00	40.70060.0007
	.08	.0031	33	3.00	40.70060.0008
	.09	.0035	33	3.00	40.70060.0009
	.10	.0039	33	3.00	40.70060.0010
	.12	.0047	33	3.00	40.70060.0012
	.15	.0059	33	3.00	40.70060.0015
90°	.02	.0008	33	3.00	40.70090.0002
	.03	.0012	33	3.00	40.70090.0003
	.04	.0016	33	3.00	40.70090.0004
	.05	.0020	33	3.00	40.70090.0005
	.06	.0024	33	3.00	40.70090.0006
	.07	.0028	33	3.00	40.70090.0007
	.08	.0031	33	3.00	40.70090.0008
	.09	.0035	33	3.00	40.70090.0009
	.10	.0039	33	3.00	40.70090.0010
	.12	.0047	33	3.00	40.70090.0012
	.15	.0059	33	3.00	40.70090.0015

ENGRAVING TOOLS
TIP RADIUS



Point Angle	Radius		OAL	Diameter	Catalog Number	
	A	R (mm)				R (in.)
30°		.04	.0016	33	3.00	40.70130.0004
		.05	.0020	33	3.00	40.70130.0005
		.06	.0024	33	3.00	40.70130.0006
		.07	.0028	33	3.00	40.70130.0007
		.08	.0031	33	3.00	40.70130.0008
		.09	.0035	33	3.00	40.70130.0009
40°		.10	.0039	33	3.00	40.70130.0010
		.04	.0016	33	3.00	40.70140.0004
		.05	.0020	33	3.00	40.70140.0005
		.06	.0024	33	3.00	40.70140.0006
		.07	.0028	33	3.00	40.70140.0007
		.08	.0031	33	3.00	40.70140.0008
50°		.09	.0035	33	3.00	40.70140.0009
		.10	.0039	33	3.00	40.70140.0010
		.04	.0016	33	3.00	40.70150.0004
		.05	.0020	33	3.00	40.70150.0005
		.06	.0024	33	3.00	40.70150.0006
		.07	.0028	33	3.00	40.70150.0007
60°		.08	.0031	33	3.00	40.70150.0008
		.09	.0035	33	3.00	40.70150.0009
		.10	.0039	33	3.00	40.70150.0010
		.04	.0016	33	3.00	40.70160.0004
		.05	.0020	33	3.00	40.70160.0005
		.06	.0024	33	3.00	40.70160.0006
90°		.07	.0028	33	3.00	40.70160.0007
		.08	.0031	33	3.00	40.70160.0008
		.09	.0035	33	3.00	40.70160.0009
		.10	.0039	33	3.00	40.70160.0010
		.04	.0016	33	3.00	40.70190.0004
		.05	.0020	33	3.00	40.70190.0005
	.06	.0024	33	3.00	40.70190.0006	
	.07	.0028	33	3.00	40.70190.0007	
	.08	.0031	33	3.00	40.70190.0008	
	.09	.0035	33	3.00	40.70190.0009	
	.10	.0039	33	3.00	40.70190.0010	



BIG Kaiser Precision Tooling Inc. is not just cutting tools. We're boring tools, tool holders, tool presetters, zero-point workholding, accessories and so much more. We're BIG-PLUS®, CAT, BT, HSK and BIG CAPTO. We're tightening tolerances, reducing setup and cycle times, increasing tool life, and enhancing performance while driving down cost. We're delivering high-performance tooling products and ingenuity for shops that demand results.



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