



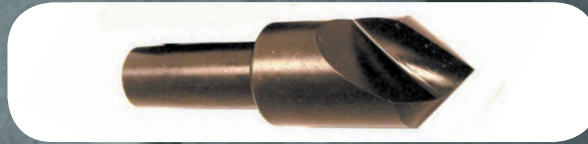
Single Flute Countersinks

List No. XL801

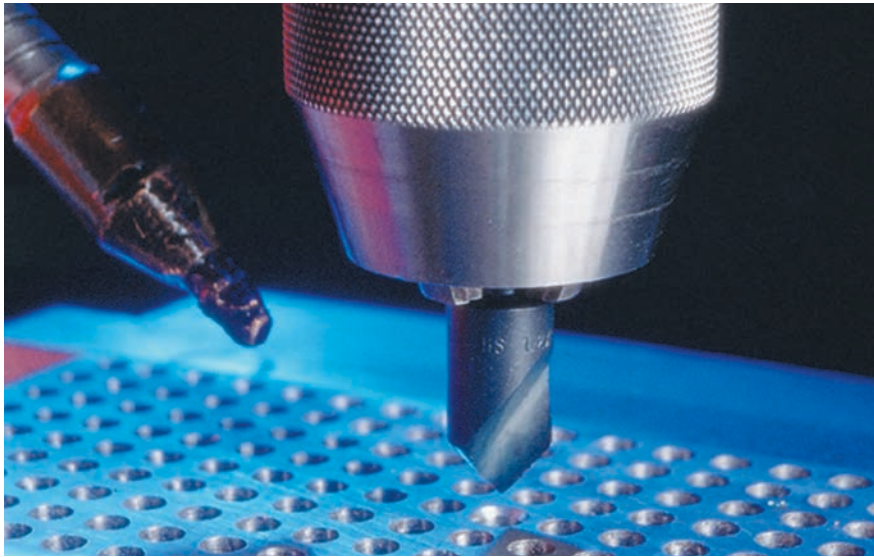
High Hook / HSS

Description: Self centering and good for non-rigid machining set up. Also able to countersink a wide range of hole sizes with one tool size.

Application: For use in a portable drill, drill press or Bridgeport type machine



EDP No./Diameter					Shank Diameter	Overall Length
60°	82°	90°	100°	120°		
XL801-1/4X60	XL801-1/4X82	XL801-1/4X90	XL801-1/4X100	XL801-1/4X120	1/4	1-1/2
XL801-3/8X60	XL801-3/8X82	XL801-3/8X90	XL801-3/8X100	XL801-3/8X120	1/4	1-3/4
XL801-1/2X60	XL801-1/2X82	XL801-1/2X90	XL801-1/2X100	XL801-1/2X120	3/8	2
XL801-5/8X60	XL801-5/8X82	XL801-5/8X90	XL801-5/8X100	XL801-5/8X120	3/8	2-1/4
XL801-3/4X60	XL801-3/4X82	XL801-3/4X90	XL801-3/4X100	XL801-3/4X120	1/2	2-5/8
XL801-1X60	XL801-1X82	XL801-1X90	XL801-1X100	XL801-1X120	1/2	2-3/4
XL801-1-1/4X60	XL801-1-1/4X82	XL801-1-1/4X90	XL801-1-1/4X100	XL801-1-1/4X120	1/2	2-3/4
XL801-1-1/2X60	XL801-1-1/2X82	XL801-1-1/2X90	XL801-1-1/2X100	XL801-1-1/2X120	3/4	2-7/8
XL801-2X60	XL801-2X82	XL801-2X90	XL801-2X100	XL801-2X120	3/4	3-1/4



If angle is not specified - 82° will be supplied.



Four Flute Machine Countersinks

List No. 800

HSS

Description: Countersink, chamfer or debur existing holes. Additional shank length for use in screw machines and turret lathes.

Application: For machine countersinking and chamfering a variety of steels and alloys.



EDP No./Diameter			Shank Diameter	Overall Length
60°	82°	90°		
800-1/2X60	800-1/2X82	800-1/2X90	1/2	3-7/8
800-5/8X60	800-5/8X82	800-5/8X90	1/2	4
800-3/4X60	800-3/4X82	800-3/4X90	1/2	4-1/8
800-7/8X60	800-7/8X82	800-7/8X90	1/2	4-1/4
800-1X60	800-1X82	800-1X90	1/2	4-3/8



Three Flute Countersinks

List No. 799
HSS



Description: Designed for chatter-free performance (smooth finish) in both portable power tools and drill presses.

Application: For machine countersinking and chamfering a variety of steels and alloys.

EDP No./Diameter					Shank Diameter	Overall Length
60°	82°	90°	100°	120°		
799-1/4X60	799-1/4X82	799-1/4X90	799-1/4X100	799-1/4X120	1/4	1-7/16
799-3/8X60	799-3/8X82	799-3/8X90	799-3/8X100	799-3/8X120	1/4	1-21/32
799-1/2X60	799-1/2X82	799-1/2X90	799-1/2X100	799-1/2X120	1/4	1-27/32
799-5/8X60	799-5/8X82	799-5/8X90	799-5/8X100	799-5/8X120	3/8	2-3/32
799-3/4X60	799-3/4X82	799-3/4X90	799-3/4X100	799-3/4X120	1/2	2-13/32
799-1X60	799-1X82	799-1X90	799-1X100	799-1X120	1/2	2-13/16



Large Four Flute Countersinks

List No. 799L
HSS



Description: For the countersinking of large diameter holes. Good for mild steel and use in standard portable hand held drills.

Application: For machine countersinking and chamfering a variety of steels and alloys.

EDP No./Diameter			Shank Diameter	Overall Length
60°	82°	90°		
799L-1-1/4X60	799L-1-1/4X82	799L-1-1/4X90	1/2	2-1/8
799L-1-1/2X60	799L-1-1/2X82	799L-1-1/2X90	3/4	2-3/8
799L-1-3/4X60	799L-1-3/4X82	799L-1-3/4X90	3/4	2-5/8
799L-2X60	799L-2X82	799L-2X90	3/4	2-7/8



Combined Drill and Countersinks

List No. 798

Plain Style / 60° included angle / HSS



Description: Often referred to as center drills.

Application: Designed for drilling the center holes in the ends of material that will be held on machine center. Most common style used.

EDP No./ Diameter	Body Diameter	Drill Diameter	Drill Length	Overall Length
798-00	1/8	.025	.030	1-1/8
798-0	1/8	1/32	.038	1-1/8
798-1	1/8	3/64	3/64	1-1/4
798-2	3/16	5/64	5/64	1-7/8
798-3	1/4	7/64	7/64	2

EDP No./ Diameter	Body Diameter	Drill Diameter	Drill Length	Overall Length
798-4	5/16	1/8	1/8	2-1/8
798-5	7/16	3/16	3/16	2-3/4
798-6	1/2	7/32	7/32	3
798-7	5/8	1/4	1/4	3-1/4
798-8	3/4	5/16	5/16	3-1/2



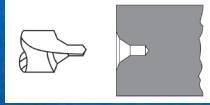
Carbide Combined Drill and Countersinks

List No. 198

Plain Style / 60° included angle / Solid Carbide

Description: Often referred to as center drills.

Application: Designed for drilling the center holes in the ends of material that will be held on machine center. Most common style used.



EDP No./ Size	Body Diameter	Drill Diameter	Overall Length
198-1	1/8	3/64	1-1/4
198-2	3/16	5/64	1-7/8
198-3	1/4	7/64	2

EDP No./ Size	Body Diameter	Drill Diameter	Overall Length
198-4	5/16	1/8	2-1/8
198-5	7/16	3/16	2-3/4
198-6	1/2	7/32	3



Zero Flute Countersinks (Deburring Tools)

List No. CSK

82° Piloted / HSS

Description: Chatterless finish, single cutting edge for fast stock removal, free-cutting, easily sharpened.

Application: Ideal for use in portable applications and materials, including metal, plastic, wood & aluminum. Ideal for glass, window and door frame installations.



Champion's high speed steel zero flute countersinks (deburring tools) offer superior quality, unique designs and outstanding performance, yielding excellent workpiece finish.

These tools can be easily sharpened by use of a small mounted grinding wheel inserted in the hole.

EDP No./ Size	Screw Size	Shank Diameter	Overall Length	Body Diameter	Pilot Diameter
CSK8-1	1/4	3/8	2	33/64	1/4
CSK8-2	1/4	3/8	2	33/64	17/64
CSK10-1	5/16	3/8	2-3/16	41/64	5/16
CSK10-2	5/16	3/8	2-3/16	41/64	21/64
CSK12-1	3/8	1/2	2-5/8	49/64	3/8
CSK12-2	3/8	1/2	2-5/8	49/64	25/64
CSK14-1	7/16	1/2	2-3/4	53/64	7/16
CSK14-2	7/16	1/2	2-3/4	53/64	29/64
CSK16-1	1/2	1/2	2-13/16	15/16	1/2
CSK16-2	1/2	1/2	2-13/16	15/16	33/64



Zero Flute Countersinks (Deburring Tools)

List No. CSK

82° Pilotless / Round Shank / HSS

Description: Chatterless finish, single cutting edge for fast stock removal, free-cutting, easily sharpened.

Application: Ideal for use in portable applications and materials, including metal, plastic, wood & aluminum. Ideal for the glass and window design industry. Windows & door frames, store front installers & glaziers



EDP No./ Size	Diameter of Cut	Shank Diameter	Overall Length	Body Diameter	EDP No./ Size	Screw Size	Shank Diameter	Overall Length	Body Diameter
CSK3S	.073 to 15/64	1/4	1-3/4	1/4	CSK5S	No. 4, 5	1/4	1-1/2	17/64
CSK18	3/16 to 17/32	1/4	1-7/8	9/16	CSK6S	No. 6	1/4	1-1/2	19/64
CSK26	.307 to 25/32	1/2	2-5/8	13/16	CSK8S	No. 8	1/4	1-5/8	11/32
CSK26A	.307 to 25/32	1/4	2-1/16	13/16	CSK10S	No. 10	1/4	1-5/8	25/64
CSK36	.431 to 7/8	1/2	2-13/16	1-1/8					
CSK48	1/2 to 1-15/32	1/2	3-1/2	1-1/2					



Zero Flute Countersinks (Deburring Tools)

List No. CSK-SH

1/4" Hex Shank / HSS



Description: Chatterless finish, single cutting edge for fast stock removal, free-cutting, easily sharpened.

Application: Ideal for use in portable applications and materials, including metal, plastic, wood & aluminum. Ideal for the glass and window design industry. Windows & door frames, store front installers & glaziers

EDP No./ Size	Screw Size	Shank Diameter	Overall Length	Body Diameter	EDP No./ Size	Screw Size	Shank Diameter	Overall Length	Body Diameter
CSK-3SH	No. 2,3,4	Hex	1-27/32	1/4	CSK-18SH	No. 10,12,14	Hex	2-5/16	9/16
CSK-8SH	No. 5,6,8	Hex	2	11/32					



Zero Flute Countersinks

List No. CSA

100° / HSS



Description: Chatterless finish, single cutting edge for fast stock removal, free-cutting, easily sharpened.

Application: Used in a wide variety of materials, including metal, plastic and wood. Ideal for the glass and window design industry.

EDP No./ Size	Diameter of Cut	Shank Diameter	Overall Length	Body Diameter
CSKA8	3/32 TO 1/4	1/4	1-1/2	17/64
CSKA14	1/8 TO 27/64	1/4	1-11/16	7/16
CSKA18	3/16 TO 35/64	1/4	1-7/8	9/16



Zero Flute Countersinks

List No. DBK

90° / HSS



Description: Chatterless finish, single cutting edge for fast stock removal, free-cutting, easily sharpened.

Application: Use in a wide variety of materials, including metal, plastic and wood. Ideal for the glass and window design industry.

EDP No./ Size	Diameter of Cut	Shank Diameter	Overall Length	Body Diameter
DBK4*	1/64 TO 11/64	3/16	1-1/2	NA
DBK6*	1/16 TO 11/64	3/16	1-1/2	NA
DBK8*	1/8 TO 15/64	1/4	1-3/4	NA
DBK14	5/32 TO 13/32	1/4	1-11/16	7/16
DBK18	3/16 TO 17/32	1/4	1-7/8	9/16
DBK26	5/16 TO 25/32	1/2	2-19/32	13/16
DBK26A	5/16 TO 25/32	1/4	2-1/32	13/16
DBK36	9/16 TO 1-3/32	1/2	2-13/16	1-1/8
DBK48	1/2 TO 1-15/32	1/2	3-1/2	1-1/2

* Double ended

