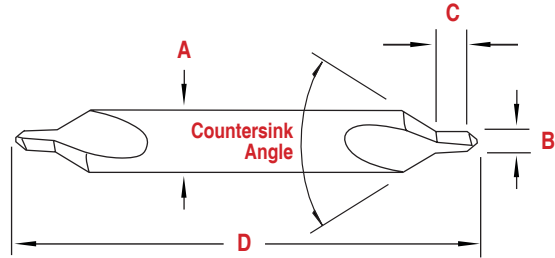
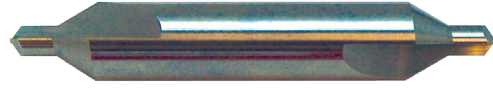




Solid Carbide Combined Drill & Countersinks — Plain Type, Straight Flute

KEO plain type solid carbide combined drill and countersinks with straight flutes are used for producing center holes in components or workpieces which require machining between centers.



60°, 82° and 90° Countersink Angle

Size	Product Number			Cut	A	B	C	D
	60°	82°	90°		Body Dia.	Point Dia.	Point Length	OAL
#5-0	19010	19011	19012	RH	1/8	0.010	0.010 SE	1-1/2
#4-0	19015	19018	19019	RH	1/8	0.015	0.015 SE	1-1/2
#3-0	19020	19021	19022	RH	1/8	0.020	0.020 SE	1-1/2
#2-0	19025	19028	19029	RH	1/8	0.025	0.025	1-1/2
#0	19032	19038	19039	RH	1/8	1/32	1/32	1-1/2
#1	19105	19108	19109	RH	1/8	3/64	3/64	1-1/2
#2	19205	19208	19209	RH	3/16	5/64	5/64	2
#3	19305	19308	19309	RH	1/4	7/64	7/64	2
#4	19405	19408	19409	RH	5/16	1/8	1/8	2-1/8
#5	19505	19508	19509	RH	7/16	3/16	3/16	2-3/4
#6	19605	19608	19609	RH	1/2	7/32	7/32	3
#7	19705	19708	19709	RH	5/8	1/4	1/4	3-3/4
#8	19805	19808	19809	RH	3/4	5/16	5/16	4

Tolerance		High	Low
OAL		+1/32	-1/16
Point Ø		+0.003	-0.0
Point Length	Point Ø < 1/32	+0.005	-0.005
	1/32 ≤ Point Ø ≤ 5/64	+0.008	-0.008
	Point > 5/64	+1/64	-1/64
Point Angle		2°	0°
CS Angles		+1°	-1°
Body Ø		+0.0	-0.002

All dimensions in inches.

SE denotes single-end combined drill and countersinks,

Many tools are available with additional coatings.

Please call for quote.

Refer to page 15 for Long Series Solid Carbide Combined Drill and Countersinks.

