



2014 CATALOG

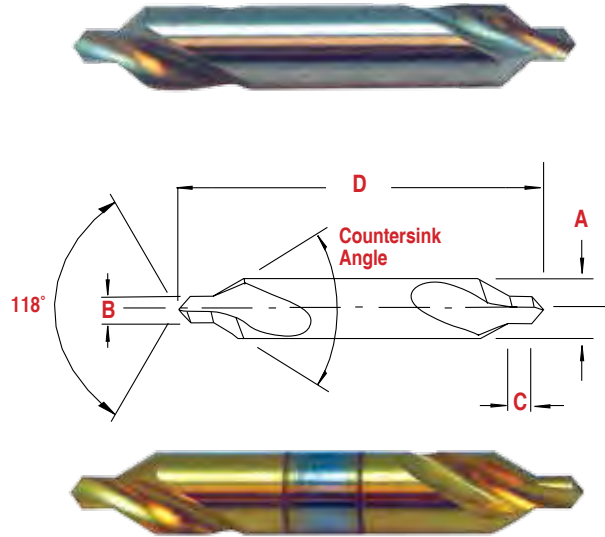
MADE IN U.S.A.



Combined Drill & Countersinks — Plain Type

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

Also available with titanium-nitride coating or in a 5-piece set. For set information see page 46.



60° Countersink Angle

Size	Product Number					A	B	C	D
	HSS	HSS-TiN	HSS-LH	CO	T15	Body Dia.	Point Dia.	Point Length	OAL
#5-0	10010	10010-TiN	10013	10012	10011	1/8	0.010	0.010	1-1/4
#4-0	10015	10015-TiN	10018	10017	10016	1/8	0.015	0.015	1-1/4
#3-0	10020	10020-TiN	10023	10022	10021	1/8	0.020	0.020	1-1/4
#2-0	10025	10025-TiN	10028	10027	10026	1/8	0.025	0.025	1-1/4
#0	10032	10032-TiN	10035	10034	10033	1/8	1/32	1/32	1-1/4
#1	10100	10100-TiN	10150	10142	10115	1/8	3/64	3/64	1-1/4
#2	10200	10200-TiN	10250	10242	10215	3/16	5/64	5/64	1-7/8
#3	10300	10300-TiN	10350	10342	10315	1/4	7/64	7/64	2
#4	10400	10400-TiN	10450	10442	10415	5/16	1/8	1/8	2-1/8
#4-1/2	14500	14500-TiN	14550	14542	14515	3/8	9/64	9/64	2-1/2
#5	10500	10500-TiN	10550	10542	10515	7/16	3/16	3/16	2-3/4
#6	10600	10600-TiN	10650	10642	10615	1/2	7/32	7/32	3
#7	10700	10700-TiN	10750	10742	10715	5/8	1/4	1/4	3-1/4
#8	10800	10800-TiN	10850	10842	10815	3/4	5/16	5/16	3-1/2
#9	10900	10900-TiN	10950	10942	10915	7/8	11/32	11/32	3-5/8
#10	11000	11000-TiN	11050	11042	11015	1	3/8	3/8	3-3/4

AIRCRAFT

All dimensions in inches.
Many tools are available with additional coatings.
Please call for quote.

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