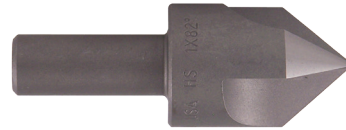




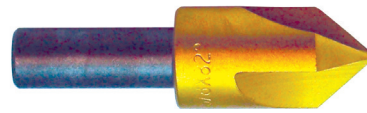
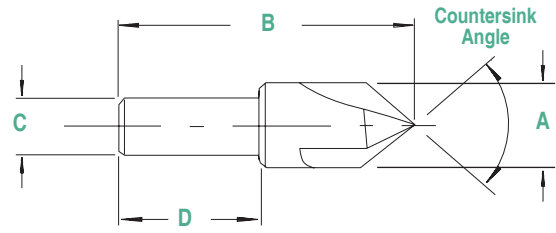
3-Flute Center Reamers

KEO 3-flute center reamers are versatile tools designed for countersinking holes for centers or for enlarging existing holes. Also available in a 5-piece set. For set information see page 46.



60° Countersink Angle

A Body Dia.	Product Number		B OAL	C Shank Dia.	D Shank Length
	HSS	HSS-TiN			
1/4	50146	50146-TiN	1-1/2	1/4	N/A
3/8	50386	50386-TiN	1-3/4	1/4	7/8
1/2	50126	50126-TiN	2	1/4	1
5/8	50586	50586-TiN	2-1/4	3/8	1
3/4	50346	50346-TiN	2-5/8	1/2	1-1/4
1	51006	51006-TiN	2-3/4	1/2	1-1/4
1-1/4	51256	51256-TiN	3	1/2	1-1/4
1-1/2	51506	51506-TiN	3-1/4	3/4	1-1/4
1-3/4	51756	51756-TiN	3-1/2	3/4	1-1/4
2	52306	52306-TiN	3-3/4	3/4	1-1/4



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

82° Countersink Angle

A Body Dia.	Product Number		B OAL	C Shank Dia.	D Shank Length
	HSS	HSS-TiN			
1/4	50148	50148-TiN	1-1/2	1/4	N/A
3/8	50388	50388-TiN	1-3/4	1/4	7/8
1/2	50128	50128-TiN	2	1/4	1
5/8	50588	50588-TiN	2-1/4	3/8	1
3/4	50348	50348-TiN	2-5/8	1/2	1-1/4
1	51008	51008-TiN	2-3/4	1/2	1-1/4
1-1/4	51258	51258-TiN	2-3/4	1/2	1-1/4
1-1/2	51508	51508-TiN	2-7/8	3/4	1-1/4
1-3/4	51758	51758-TiN	3	3/4	1-1/4
2	52308	52308-TiN	3-1/4	3/4	1-1/4

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

90° Countersink Angle

A Body Dia.	Product Number		B OAL	C Shank Dia.	D Shank Length
	HSS	HSS-TiN			
1/4	50149	50149-TiN	1-1/2	1/4	N/A
3/8	50389	50389-TiN	1-3/4	1/4	7/8
1/2	50129	50129-TiN	2	1/4	1
5/8	50589	50589-TiN	2-1/4	3/8	1
3/4	50349	50349-TiN	2-5/8	1/2	1-1/4
1	51009	51009-TiN	2-3/4	1/2	1-1/4
1-1/4	51259	51259-TiN	2-3/4	1/2	1-1/4
1-1/2	51509	51509-TiN	2-7/8	3/4	1-1/4
1-3/4	51759	51759-TiN	3	3/4	1-1/4
2	52309	52309-TiN	3-1/4	3/4	1-1/4

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