Terminology and Ordering Data

KEO® "S" Style Staggered Interlocking Cutter's consist of two pieces, each piece being a Staggered Side Milling Cutter. Unless otherwise specified, diameters of each piece held relative to each other within .001". Refer to Figures 1, 2 and 3

Total Interlocking Width (W).

The total interlocking width (W) is equal to the overall width of an interlocking cutter. The total interlock width (W) is normally equal to the width of the slot to be machined. This width is measured over the two pieces within the interlocking cutter as shown in Figure 1 and Figure 2.
Unless otherwise specified, tolerance on W Dimension is ±.001". Specify the following information when ordering:
1. Quantity of Interlocking Cutters required.
2. Diameter of Interlocking Cutters (D).
3. Interlock Width (W).
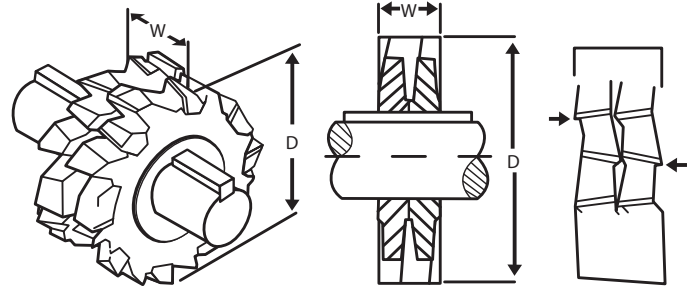4. Hole size required.

Fig. 1   Fig. 2   Fig. 3

Interlocking or overlap can be varied from as small as .010" – 3/32" or more depending upon the widths selected. Hubs may be ground in customer's plant, by a local grinding service shop or at the KEO® plants.
When sharpening reduces the total interlock width, shims may be used between hubs to regain the original total interlock width.

"X" indicates Width Interlock Range that can be priced as standard in diameters listed.
All Staggered Tooth Cutters having the same number of teeth interlock.

INTERLOCK WIDTH RANGE	CUTTER DIAMETER																	
	2-1/8"	2-1/2"	2-3/4"	3"	3-1/4"	3-1/2"	3-3/4"	4"	4-1/4"	4-1/2"	5"	5-1/2"	6"	7"	8"	9"	10"	12"
.345 – .370	X			X		X		X			X		X	X	X		X	
.370 – .401	X			X		X		X			X		X	X	X		X	
.401 – .432	X			X		X		X		X	X		X	X	X		X	
.432 – .464	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	
.464 – .495	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
.495 – .526	X	X	X	X		X		X			X	X		X	X	X	X	X
.526 – .557	X	X	X	X		X		X			X	X		X	X	X	X	X
.557 – .588	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
.588 – .620	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
.620 – .651	X	X	X	X		X		X		X	X		X	X	X	X	X	X
.651 – .682	X	X	X	X		X		X			X	X		X	X	X	X	X
.682 – .713	X	X	X	X		X		X			X	X		X	X	X	X	X
.700 – .745	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
.731 – .776		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
.763 – .807		X	X	X		X		X		X	X		X	X	X	X	X	X
.794 – .838		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
.825 – .870		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
.856 – .901		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
.888 – .932		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
.930 – .995		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
.993 – 1.058				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.055 – 1.120				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.118 – 1.182				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.180 – 1.245				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.242 – 1.307				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.305 – 1.370				X		X		X			X	X		X	X	X	X	X
1.368 – 1.432				X	X	X		X			X	X		X	X	X	X	X
1.430 – 1.495				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.492 – 1.557				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.555 – 1.620				X		X		X			X	X		X	X	X	X	X
1.618 – 1.682				X		X		X		X	X		X	X	X	X	X	X
1.680 – 1.745				X		X		X		X	X		X	X	X	X	X	X
1.743 – 1.807				X		X		X			X		X	X	X	X	X	X
1.805 – 1.870				X		X		X			X		X	X	X	X	X	X
1.868 – 1.932				X		X		X		X	X		X	X	X	X	X	X
1.930 – 1.995 1.990 – 2.055				X				X			X		X					
2.050 – 2.120				X		X		X		X	X		X	X	X	X	X	X
2.115 – 2.180				X				X					X					
2.175 – 2.245				X				X					X					
2.240 – 2.305								X					X					
2.300 – 2.370								X					X					
2.365 – 2.430				X				X					X					
2.425 – 2.495				X				X					X					