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"Perfect Miter" Adapter

The Kreg "Perfect Miter" Adapter is designed to support the mitered end of a board so that the sharp point is not damaged. It is a simple but very efficient tool. The miter fixture is positioned between the Flip Stop arm and the saw blade as shown in figures 1 and 2.

The extruded aluminum piece has a slot machined on one side which accepts the head of a bolt which secures it the arm of a stop as shown in figure 3.

An additional feature is that the miter fixture helps to maintain contact between the board and the fence helping to straighten warped or curved boards.

The patent pending design is elegantly simple, and boards can easily be cut with either the "point in" or the "point out" as shown in figures 4 and 5. The orientation can easily be changed in seconds by loosening the black plastic knob and rotating the miter adapter.

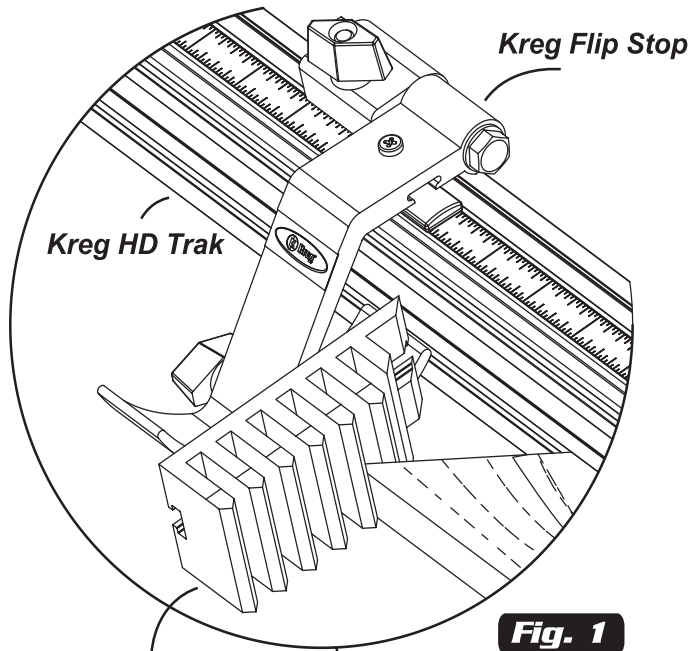


Fig. 1

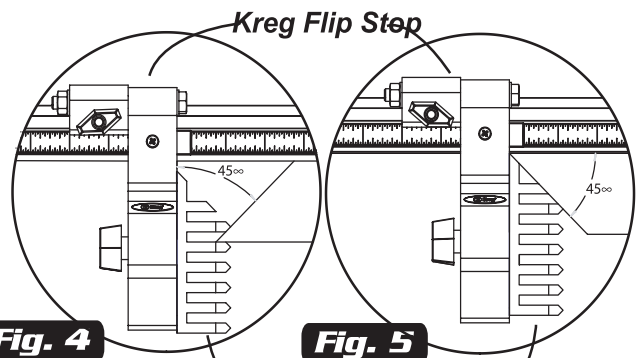


Fig. 4

Fig. 5

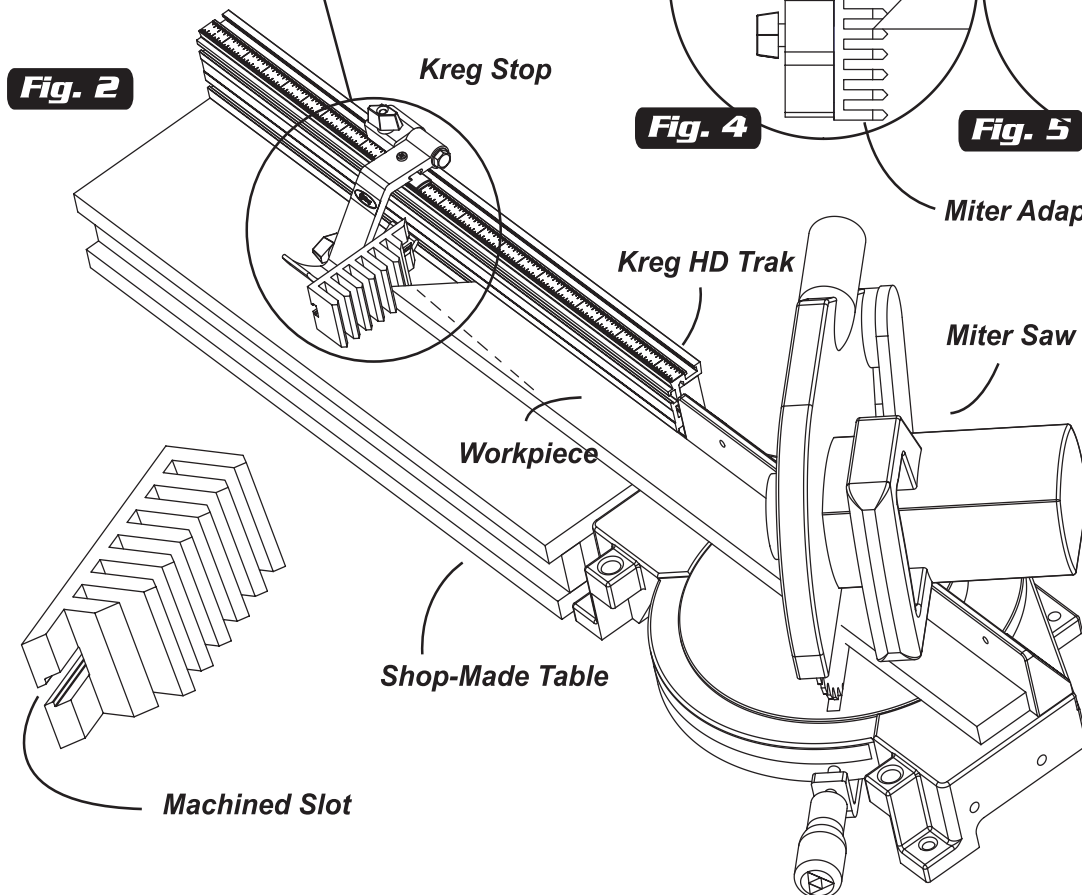


Fig. 2

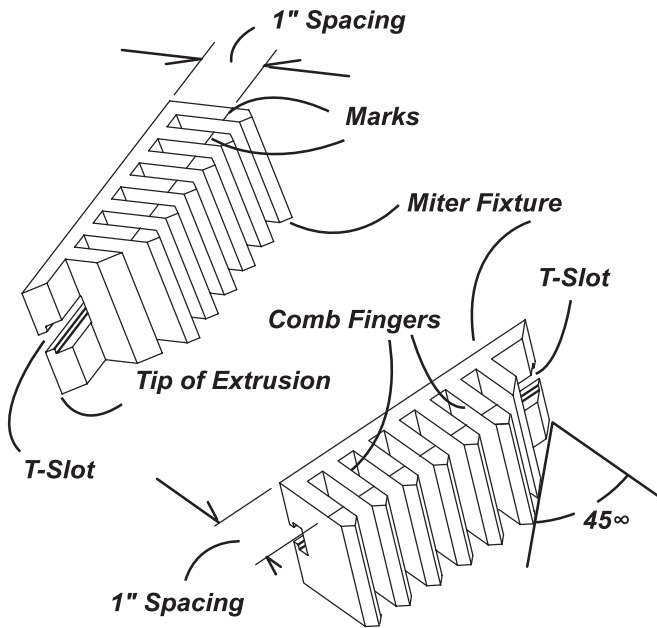


Fig. 6

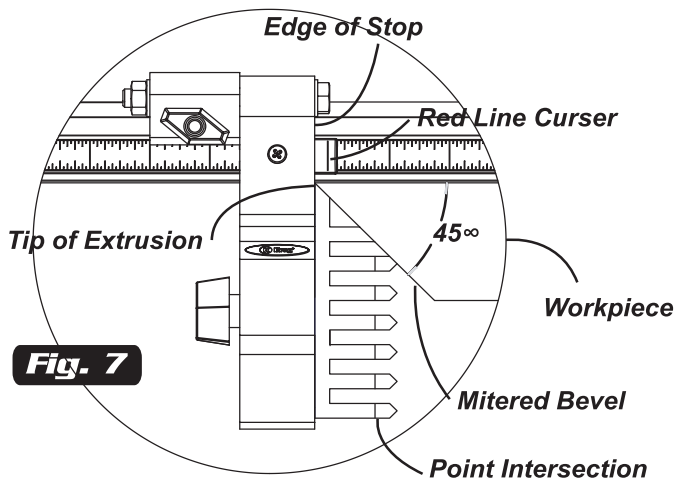


Fig. 7

The Miter Adapter is a comb shaped extrusion with a T-slot machined opposite the pointed comb members as shown in figure 6.

The "point intersection" shown in figure 7 is exactly a distance of 1" from the line on the stop cursor.

Kreg products are made in the USA and are protected by one or more of the following U.S. Patents: #5,337,641, #5,493,789, #5,617,909, and #5,768,966. Other patent applications are pending or granted.

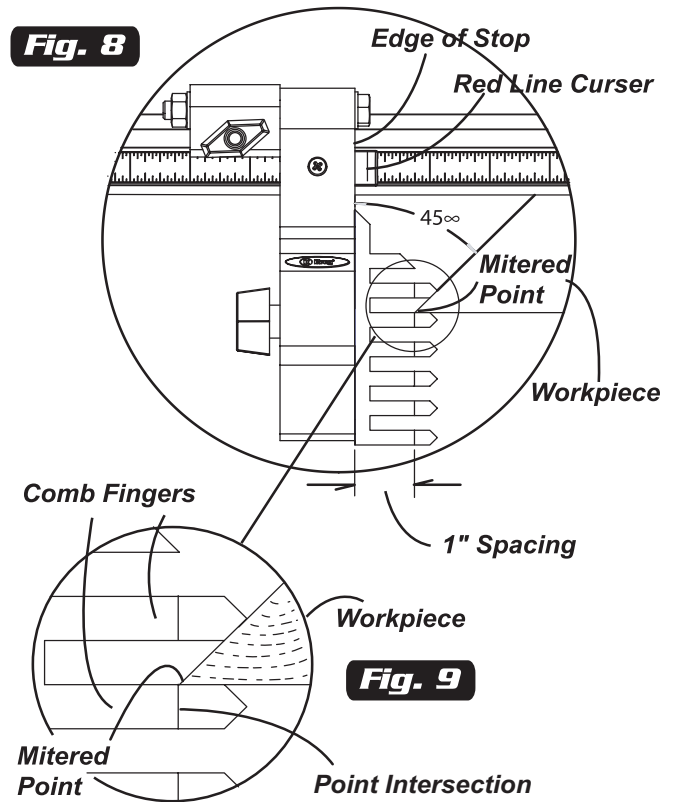


Fig. 9

The Miter Adapter allows boards to be measured to length and easily be cut with either the "point-in" or the "point-out" as shown in figures 7 and 8. The orientation can easily be changed in seconds by loosening the black plastic knob and rotating the miter adapter.

When you use the Miter Adapter with the "point-in", as shown in Figure 7, the tip of the comb extrusion should be positioned so that it contacts the fence. The flat side of the mitered workpiece contacts the fence and the mitered bevel contacts the Mitre Adapter.

Figure 8 shows the mitered workpiece in the "point-out" position. Figure 9 shows that the tip of the mitered workpiece is captured between the comb fingers and lines up with the "point intersection". Again, the "point intersection" is exactly 1" from the line on the stop cursor.

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