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| KD2cabKD1KNE |

$$a^{2}+b^{2}=c^{2}$$

Assume that the arms of the KAD are equal, so a = b, and c = distance between the two arms (KD1 and KD2)

$$a^{2}+a^{2}=c^{2}$$

$$2a^{2}=c^{2}$$

$$a^{2}=\frac{c^{2}}{2}$$

$$a=\frac{\sqrt{c^{2}}}{\sqrt{2}}$$

$$a=\frac{c}{\sqrt{2}}$$

The default value of c is 5.66 inches (0.143764 m), so the default value of a (in meters) is:

$$a=\frac{0.143764}{\sqrt{2}}$$

$$a= 0.10166$$