

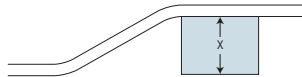
OFFSET BENDS

EMT: Using Hand Bender

An offset bend is used to change the level, or plane, of the conduit. This is usually necessitated by the presence of an obstruction in the original conduit path.

Step One:

Determine the offset depth (X).

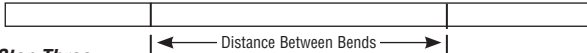


Step Two:

Multiply the offset depth "X" the multiplier for the degree of bend used to determine the distance between bends.

Angle	Multiplier
10° x 10°	= 6
22½° x 22½°	= 2.6
30° x 30°	= 2
45° x 45°	= 1.4
60° x 60°	= 1.2

Example: If the offset depth required (X) is 6", and you intend to use 30° bends, the distance between bends is 6" x 2 = 12".



Step Three:

Mark at the appropriate points, align the arrow on the bender with the first mark, and bend to desired degree by aligning EMT with chosen degree line on bender.

Step Four:

Slide down the EMT, align the arrow with the second mark, and bend to the same degree line. Be sure to note the orientation of the bender head. Check alignment.

