



Shown with optional plug mandrel support

The HB12 is a hand bender designed to make precision bends in a single work piece. The base unit can be mounted in a vise or attached to a bench. The HB12 comes standard with an adjustable bend angle stop that includes an angular scale. Over center toggles ensure that both the pressure die and clamp die remain in position while a bend is being made.



Options include a plug mandrel attachment, pre-bend stop assembly to clock up to 4 bends in a single work piece, and interchangeable dies. The HB12 is capable of bending stainless steel tubing or semi-rigid coax cable. Its ability to quickly change from one die set to the next makes this hand bender versatile.

Specifications

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- Capacity: 0.500” OD X .049” wall copper (3/8” mild steel) on a 2D radius
- Maximum centerline radius: 2”
- Weight: 10 lbs.
- Bend angle repeatability: ± .25°
- Standard bending process: rotary draw. Wipe bending is available upon request
- Over center toggles on clamp and static pressure die
- Mounting: vise or bench

Base Unit and Available bend die sets

Description	Part Number	Price (\$)
HB12 hand bender, base unit	21387-510	2,860.00
<p>Die set, .XXX-.CLR where .XXX is the diameter of the part to bend and .CLR is the centerline bend radius. For example, a die set to bend Ø1/4” on a 9/16” centerline radius would be specified as 21387-611-.250-0.562.</p> <p>A die set consists of a bend die, clamp die and pressure die. All clamp dies have a minimum 2D grip. For diameters below .156, grip length are 3D.</p> <p>Metric diameters can be specified by replacing the “.XXX” with “X.XM”. For example, to bend a 4mm diameter on a 12mm centerline radius, the die set would be specified as 21387-611-4.0M-12M.</p> <p>Die sets for coax cable have a plastic clamp and pressure die. The bend dies are designed for wipe bending. Add a “C” to the end of a part number to specify coax bending. For example, to specify a die set to bend .141 coax on a 1/2” centerline radius, the part number would be 21387-611-.141C-.500.</p>	21387-611-.XXX-.CLR	<p>1,720 (set)</p> <p>Individual Pricing: Bend die: \$820 Clamp die \$450 Press. die: \$450</p>

**Options:**

Description	Part Number	Price (\$)
Plug mandrel rod support Maximum length over mandrel is 15"	21387-601	480.00
Mandrel rod, .250" OD (15" over mandrel)	21387-603	140.00
Mandrel rod, .125" OD (15" over mandrel)	21387-704	140.00
Plug mandrel, bronze (specify ID of tube, ID = .XXX)	21387-705-.XXX	135.00
Pre bend stop assembly (4 total stops) Maximum end stop length is 13"	21387-516	660.00