

Hand Tube Benders – Inch

These are sturdy, easy-to-use hand tools for fast and accurate bending without kinks or visible flattening. Twelve individual sizes from -2 (1/8" O.D.) to -16 (1" O.D.) are available.

Medium Duty Inch Hand Tube Benders

Designed and built for fast, accurate bends and long service life.

These are individual benders for eight inch tube sizes (1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"). All of these benders will bend copper, aluminum, annealed steel and stainless steel. These can be used in hands or mounted in a bench vise.

HOW TO USE: Simply align marks of the pressure arm and radius block, then bend to the desired angle (up to 180°) by pulling steadily on the slide block handle. Bend angles are indicated on the radius block, both front and back. (Detailed instructions are included with each bender.) See the table below for technical data and part numbers.

Size	Tube O.D. (in.)	Radius to Tube Centerline (in.)	Min. Wall Without Flattening (in.)	Recommended Max. Wall Thickness		Part No.
				Copper, Aluminum (in.)	Steel, Stainless Steel (in.)	
2	1/8	7/16	0.012	Any	0.032.....	2-2829S
3	3/16	9/16	0.020	Any	0.032.....	3-2829S
4	1/4	9/16	0.028	Any	0.083.....	4-2829S
5	5/16	15/16	0.032	Any	0.083.....	5-2829S
6	3/8	15/16	0.032	Any	0.083.....	6-2829S
8	1/2	1 1/2	0.042	Any	0.083.....	8-2829S
10	5/8	3	0.042	Any	0.049.....	10-2829S
12	3/4	3 3/4	0.049	Any	0.065.....	12-2829S

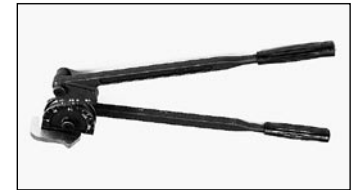


Fig. S1 — Medium Duty Inch Hand Tube Bender

Ratchet Hand Tube Benders

These are individual benders for three tube sizes, 5/8", 3/4" and 7/8", in copper, aluminum, annealed steel and stainless steel. They can be used in hands or mounted in a bench vise.

HOW TO USE: Position the tube in the bender, close the latch and pull the ratchet handle away from radius block handle until the desired angle (up to 180°) is formed. Bend angles are indicated on the radius block. (Detailed instructions are included with each bender.) See the table below for technical data and part numbers.

Size	Tube O.D. (in.)	Radius to Tube Centerline (in.)	Min. Wall Without Flattening (in.)	Recommended Max. Wall Thickness		Part No.
				Copper, Aluminum (in.)	Steel, Stainless Steel (in.)	
10	5/8	3	0.042	Any	0.049.....	10-2829
12	3/4	3 3/4	0.049	Any	0.065.....	12-2829
14	7/8	3 3/4	0.049	Any	0.065.....	14-2829

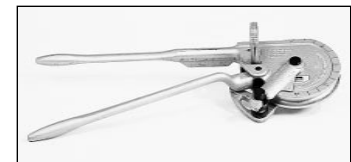


Fig. S2 — Ratchet Hand Tube Bender

Adjustable Handle Hand Benders

These are individual benders for three tube sizes (1/4, 3/8, 1/2). All of these benders can form accurate bends up to 180° in aluminum, copper, steel & stainless steel materials.* These benders include rollers in the bending handle to reduce effort required for bending and they can be mounted in a bench vice.

HOW TO USE: Simply align marks on the slide block end of the pressure arm and radius block, then bend to the desired angle. For angles greater than 90°, the adjust-



Fig. S3 — Adjustable Handle Hand Benders

Dimensions and pressures for reference only, subject to change.