

# Hand Tube Benders

## HTB Series

- ⦿ To bend stainless steel or copper tubing, the outside diameter ranges from 1/4" to 1/2" and 6 mm to 12 mm.
- ⦿ Roll dies reduce bending force and tube ovality, as compared to conventional slide block design.
- ⦿ 1° to 180° bending range

### Ordering Information

Ordering Number	Tube O.D.	Bend Radius
HTB-4S	1/4"	0.56"
HTB-4	1/4"	0.75"
HTB-5	5/16"	0.94"
HTB-6	3/8"	
HTB-8	1/2"	1.5"
HTB-6M	6 mm	15 mm
HTB-8M	8 mm	24 mm
HTB-10M	10 mm	
HTB-12M	12 mm	38 mm
HTB-14M-L	14 mm	56 mm
HTB-16M-L	16 mm	

The hand tube bender can not be used for SAF 2507 tubing over 1/4" or for medium-pressure tubing.



# Tube Cutters

## FTC Series

- ⦿ To cut stainless steel, copper, and aluminum tubing
- ⦿ To cut 1/8" to 2 5/8" and 3 mm to 65 mm outside diameter tubing

### Ordering Information

Ordering Number	Tube O.D.
FTC-03	1/8" to 1" and 3 mm to 25 mm
FTC-04	1/4" to 1 3/8" and 6 mm to 35 mm
FTC-05	1/4" to 2 5/8" and 6 mm to 65 mm



## Tube Deburring Tools

### TDT Series

- ⦿ To deburr tubing made of stainless steel, carbon steel, aluminium, and copper materials

#### Ordering Information

Ordering Number	Deburring Position	Size	Tube Material
TDT-01	I.D.	less than 4 mm	Stainless Steel, Carbon Steel, Copper, Aluminum
TDT-03	O.D.	6 mm to 35 mm and 1/4" to 1 1/4"	Copper, Aluminum
	I.D.	4 mm to 33 mm	
TDT-05	O.D.	6 mm to 35 mm and 1/4" to 1 1/4"	Stainless Steel, Carbon Steel
	I.D.	4 mm to 33 mm	



## Hydraulic Presetting Tools

### HPT Series

- ⦿ To preset ferrules onto tubing
- ⦿ Must be used to install 1 1/4" to 2" or 28 mm to 50 mm tube fittings
- ⦿ Is available to install 1/2" to 1" and 12 mm to 25 mm tube fittings
- ⦿ Used to install carbon steel, stainless steel, and alloy steel tube fittings
- ⦿ Manually operated hydraulic pump, without requirement for power or compressed air
- ⦿ Made of high grade alloy steel for more durable and firmer usage
- ⦿ Flexible hose connection between the pump and jig to assure easy and comfortable operation
- ⦿ Time-saving and easy operation
- ⦿ Strong plastic package for easy carrying
- ⦿ Total weight about 37.5 lbs
- ⦿ Figure dimensions (L × W × H): 12.6 in. x 9.8 in. x 5.9 in. (the height of handle excluded)



#### Ordering Information

##### HPT-03 Series

Ordering Number	Tube O.D. (Dimensions)
HPT-03M	12, 14, 15, 16, 18, 20, 22, 25 (mm)
HPT-03F	1/2", 5/8", 3/4", 7/8", 1"
HPT-03-U	Choose your needs from Die Heads for HPT-03 Series

##### Die Heads for HPT-03 Series

Ordering Number	Tube O.D.
HPT-ML12	12 mm
HPT-ML14	14 mm
HPT-ML15	15 mm
HPT-ML16	16 mm
HPT-ML18	18 mm
HPT-ML20	20 mm
HPT-ML22	22 mm
HPT-ML25	25 mm
HPT-FL8	1/2"
HPT-FL10	5/8"
HPT-FL12	3/4"
HPT-FL14	7/8"
HPT-FL16	1"

##### HPT-05 Series

Ordering Number	Tube O.D. (Dimensions)
HPT-05M	28, 30, 32, 38, 50 (mm)
HPT-05F	1-1/4", 1-1/2", 2"
HPT-05-U	Choose your needs from Die Heads for HPT-05 Series

##### Die Heads for HPT-05 Series

Ordering Number	Tube O.D.
HPT-ML28	28 mm
HPT-ML30	30 mm
HPT-ML32	32 mm
HPT-ML38	38 mm
HPT-ML50	50 mm
HPT-FL20	1-1/4"
HPT-FL24	1-1/2"
HPT-FL32	2"

# Manual Presetter Tools

## MPT Series

For tube fitting installations in close quarters, the presetter tool can make installation easier when paired with the table vice.

- For 1/4" to 1" and 6 mm to 25 mm tube fittings
- For carbon steel, stainless steel and alloy steel tube fittings
- High grade alloy used for clamp to make the presetter reliable and durable
- Easy mounting to table vice
- Wider and safer work condition
- Total weight about 1.5 lbs



### Ordering Information

Ordering Number	Tube O.D.
MPT-6M	6 mm
MPT-8M	8 mm
MPT-10M	10 mm
MPT-12M	12 mm
MPT-14M	14 mm
MPT-15M	15 mm
MPT-16M	16 mm
MPT-18M	18 mm
MPT-20M	20 mm
MPT-22M	22 mm
MPT-25M	25 mm

Ordering Number	Tube O.D.
MPT-4	1/4"
MPT-6	3/8"
MPT-8	1/2"
MPT-10	5/8"
MPT-12	3/4"
MPT-14	7/8"
MPT-16	1"

*FITOK gap inspection gauge can not be used to check the fittings presetted by MPT series presetters.*

# Gap Inspection Gauges

## GIG Series

During initial installation of tube fittings, installer or inspector can use gap inspection gauge to check whether a fitting has been sufficiently tightened and eliminate the latent danger of leakage for the system.

- For all metal fittings, sizes from 1/16" to 1" and 2 mm to 25 mm
- Simple and consistent operation

Position the FITOK gap inspection gauge next to the gap between the nut and body



If the gauge can not enter the gap, the fitting is sufficiently tightened.

If the gauge can enter the gap, additional tightening is required.

- The system must be decompressed before changing the tightness of the fittings.
- Do not use gauge to inspect the reinstalled fittings.
- Do not use gauge to inspect the fittings installed by hydraulic presetting tool.

### Ordering Information



Simple Series      Individual Sizes Series      Multiple Sizes Series

Fitting Size		Ordering Number
in.	mm	
1/16	—	GIG-1
1/8	2, 3	GIG-2
3/16	4	GIG-3
1/4	6	GIG-4
5/16	8	GIG-5
3/8	—	GIG-6
—	10	GIG-10M
1/2	12	GIG-8
5/8	14, 15, 16	GIG-10
3/4	18	GIG-12
7/8	20, 22	GIG-14
1	25	GIG-16
1/4, 3/8, 1/2	6, 12	GIG-468
1/4, 1/2	6, 8, 10, 12	GIG-48

To order Simple Series, add **-SP** to the ordering number.