

TUBE BENDERS

SPRING TYPE TUBE BENDERS

For 1/4" to 7/8" O.D. soft copper and aluminum tubing.

Tools allow hand bending of soft tubing to any shape without collapsing walls. Special spring steel, zinc finish. End belled for quick tube removal.

- 201-F** Set of 8 benders for 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4" and 7/8" O.D. tubing.
- 101-F** Set of 6 benders for 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" O.D. tubing.
- 163-F** Set of 4 benders for 1/4", 3/8", 1/2" and 5/8" O.D. tubing.
- 112-F** Set of 3 benders for 1/4", 5/16" and 3/8" O.D. tubing.



102-F-08

PART NO.	TUBE O.D. (in.)	LENGTH (in.)	WEIGHT EACH (oz.)
102-F-04	1/4	10	3
102-F-05	5/16	10	3
102-F-06	3/8	10	4
102-F-07	7/16	12	6.25
102-F-08	1/2	12	6.5
102-F-10	5/8	12	8
102-F-12	3/4	12	10
102-F-14	7/8	12	10

Each tool bends only one size.

MICRO TUBE BENDER

MICRO BENDER

For 3/16" and 1/4" O.D. Soft Copper and Aluminum Tubing

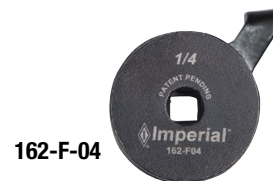
- Low profile for tight access, inline bends
- Handle-free
- Use 1/4" ratchet to drive
- Patent pending

162-F Micro bender for 3/16" and 1/4" O.D. soft copper and aluminum tubing.

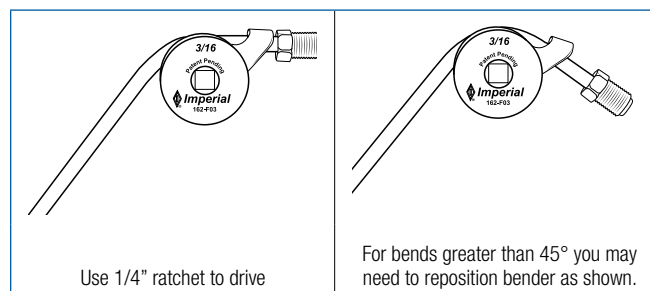
PART NO.	TUBE O.D. (in.)	DIMENSIONS (in.)	WEIGHT EACH (lbs.)
162-F-03	3/16	1.25 x 1.4 x 0.56	0.12
162-F-04	1/4	1.5" x 1.6 x 0.57"	0.17



162-F-03



162-F-04



TUBING TOOL SELECTOR

TUBING TOOL SELECTOR				TUBE MATERIAL														
TOOL	PART NO.	PAGE NO.	SIZE RANGE TUBE O.D. (in.)	COPPER								ANNEALED ALUMINUM (SOFT)	ANNEALED BRASS (SOFT)	SAE 1020 STEEL (SOFT)	BRAZED- BUNDY WELD GM STEEL	STAINLESS STEEL ANNEALED (SOFT)	STAINLESS STEEL (1/8 HARD)	TITANIUM
				ANNEALED GENERAL PURPOSE	TYPE K			TYPE L			TYPE M							
					SOFT	BENDING TEMPER (HARD)	HARD	SOFT	BENDING TEMPER (HARD)	HARD								
Tube Cutters	TC-1000	2	1/8 - 1-1/8	•	•	•	•	•	•	•	•	•	•	•	(1)	(1)	(1)	
Metal Tubing	TC-1050	3	1/8 - 5/8	•	•	•	•	•	•	•	•	•	•	•				
	TC-2050	3	3/16 - 7/8	•	•	•	•	•	•	•	•	•	•	•	(1)	(1)	(1)	
	174-F	3	3/8 - 1-1/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	206-FB	4	3/8 - 2-5/8	•	•	•	•	•	•	•	•	•	•	•				
	227-FA	2	1/8 - 3/4	•	•	•	•	•	•	•	•	•	•	•	(1)	(1)	(1)	
	312-FC	2	1/4 - 1-5/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	406-FA	4	2 - 4-1/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Thermoplastic Rubber Hose	307-FP	4	1/16 - 1/2 (4)															
	327-FP	4	1/8 - 13/16 (4)															
Bending Tools	101-F	5	1/4 - 5/8	•	•	•		•	•			•	•					
	102-F	5	1/4 - 7/8	•	•	•		•	•			•	•					
	112-F	5	1/4 - 3/8	•	•	•		•	•			•	•					
	162-F	5	3/16 - 1/4	•	•							•						
	163-F	5	1/4 - 5/8	•	•	•		•	•			•	•					
	201-F	5	1/4 - 7/8	•	•	•		•	•			•	•					
	270-F	10	3/4 - 1-1/8	•	•	•	•	•	•	•		•	•	•	•	•	•	
	364-FH	8	1/8 - 3/16	•	•							•	•	•	•			
	364-FHA	8	1/4 - 3/4 (3)	•	•			•				•	•	•	•			
	364-FHAM	8	6 - 12 mm	•	•			•				•	•	•	•	•		
	364-FHB	8	1/4 - 1/2	•	•							•	•	•	•	•		
	364-FHBM	8	6 - 12 mm	•	•			•				•	•	•	•	•		
	367-FH	7	1/8, 3/16, 1/4	•	•			•				•	•	•	•			
	368-FH	7	3/16, 1/4, 5/16, 3/8	•	•			•				•	•	•	•			
	370-FH	7	3/16, 1/4, 3/8, 1/2	•	•			•				•	•	•	•			
	470-FH	6	3/16, 1/4, 5/16, 3/8	•	•			•				•	•	•	•			
	564-FH	9	3/8, 1/2	•	•	•		•	•	•		•	•	•	•	•	•	
	600-F	10	1/4 - 3/4	•	•			•				•	•	•	•	•	•	
	664-FH	9	1/4, 3/8, 1/2	•	•			•				•	•	•	•	•	•	
	664-FH (Metric)	9	6 - 12 mm	•	•			•				•	•	•	•	•	•	
37° Flaring Tool	400-F	13	3/16 - 5/8	•	•	•		•	•		(2)	•	•	•	•	•	•	
	437-FB	13	3/16 - 5/8	•	•	•		•	•		(2)	•	•					
	447-F	14	1/8 - 1/2	•	•			•			(2)	•	•	•		•	•	
	507-FB	13	3/16 - 5/8	•	•	•		•	•		(2)	•	•					
	555-FS	15	3/16 - 5/8	•	•	•		•	•		(2)	•	•					
	537-F	14	3/4 - 1-1/4	•	•	•		•	•		(2)	•	•	•	•	•	•	
	2000-FS	20	1/8 - 3/4	•	•	•		•	•		(2)	•	•	•	•	•	•	
45° Flaring Tool	195-FC	11	3/16 - 5/8	•	•	•		•	•		(2)	•	•					
	203-FA	11	5/8 - 1-1/8	•	•	•		•	•		(2)	•	•					
	275-FS	16	1/8 - 3/4	•	•	•		•	•		(2)	•	•					
	300-FB	11	3/16 - 5/8	•	•	•		•	•		(2)	•	•					
	375-FS	11	1/8 - 3/4	•	•	•		•	•		(2)	•	•					
	500-FC	11	3/16 - 5/8	•	•	•		•	•		(2)	•	•					
	525-F	12	3/16 - 5/8 4.75 - 16 mm	•	•	•		•	•		(2)	•	•					
45° Double Flaring Tools	555-FS	15	3/16 - 5/8	•	•	•		•	•		(2)	•	•					
	2000-FS	20	1/8 - 3/4	•	•	•		•	•		(2)	•	•	•	•	•	•	
	93-FB	12	3/16 - 1/2	•				•				•	•	•	•			
Reaming and Deburring Tools	2000-FS	20	3/16 - 3/4	•				•				•	•	•	•			
	208-F	23	3/16 - 1-1/2	•	•	•	•	•	•	•	•	•	•					
	209-F	23	1/4 - 1-1/2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
210-F	23		•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Tube Constrictor	TC-1020	2	1/8 - 1-1/8	•	•							•	•					
Swaging Tools	93-S	18	3/16 - 7/8					•				•	•					
	94-SSP	18	1/2, 5/8, 7/8	•	•			•				•	•					
	95-S	18	3/16 - 5/8	•	•			•				•	•					
	193-S	18	1/4 - 5/8	•	•			•				•	•					
	195-SA	18	1/4 - 5/8	•	•			•				•	•					
	275-FS	16	3/16 - 3/4	•	•			•				•	•					
	555-FS	15	3/16 - 5/8	•	•			•				•	•					
2000-FS	20	3/16 - 3/4	•	•			•				•	•						
Metric Bubble Flaring Tool	293-F	15	4.75 - 10 mm	•				•				•	•	•	•			

(1) Heavy duty cutting wheel No. S75046 is recommended for continuous service with steel, stainless steel, monel, titanium and hard temper copper tubing.

(2) Type M tubing should be torch annealed before flaring.

(3) No.364-FHA, 5/8" - 3/4" size should be used only with annealed (softened) non-ferrous tubing.

(4) Not to be used with metal reinforced hose.