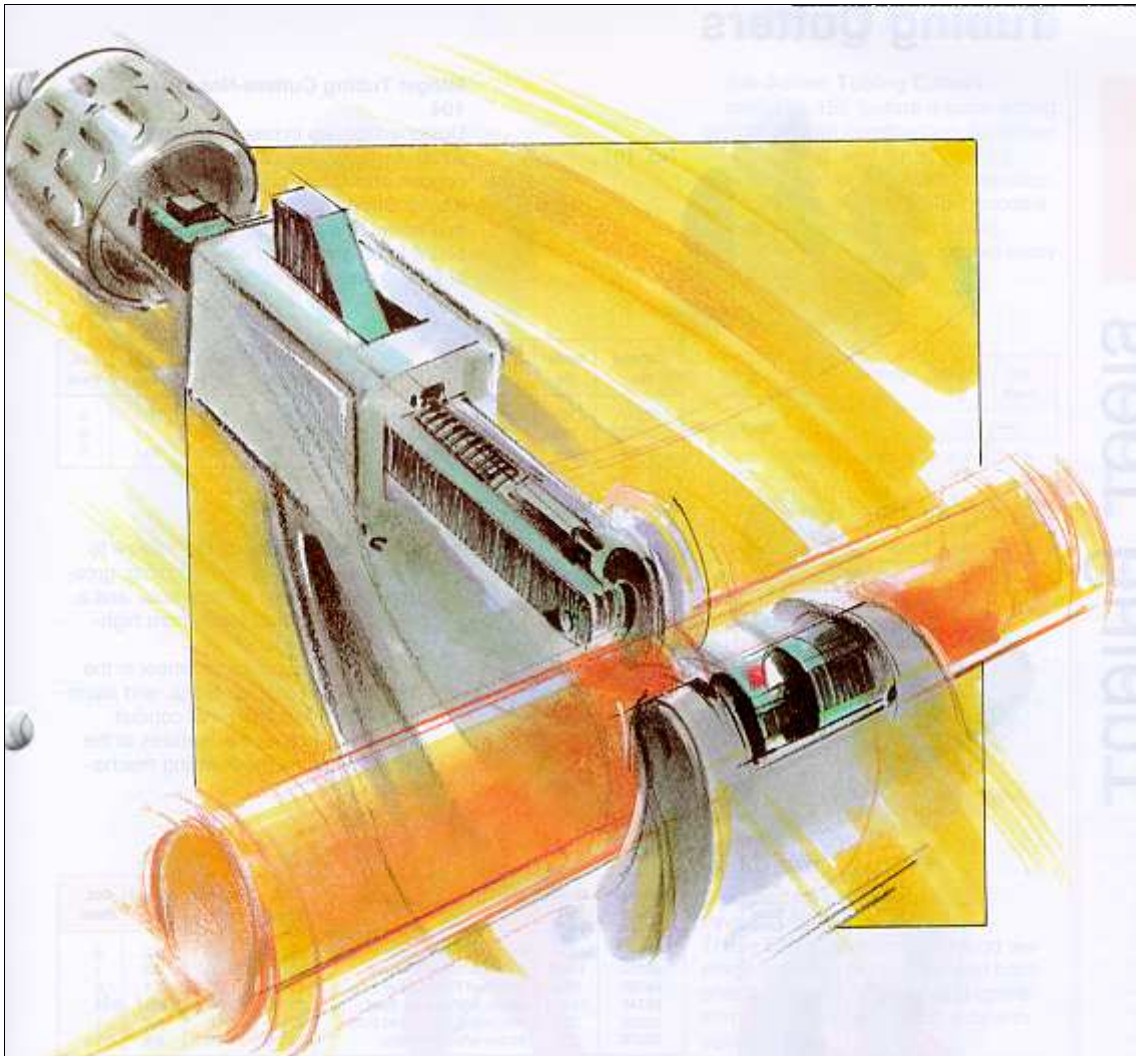


TUBING TOOLS



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TUBING TOOLS

Tubing cutters



Midget Tubing Cutters - Nos 101, 103 and 104

Designed for use in restricted spaces on small diameter, hard and soft copper, aluminum, brass and plastic tubing. Strong, lightweight slide and wheel housing, large knurled feed screw knob gives easy control of cutting pressure for clean cuts.

Catalog No.	Model No.	Description	Std. Wheel	Capacity mm	Weight kg	Std. Pack
40167	101	Midget Cutter with Spare Wheel	33185	6-28	0,1	6
32975	103	Midget Cutter	33185	3-16	0,1	6
32985	104	Midget Cutter	33185	5-24	0,1	6



Features an enclosed feed screw to eliminate clogging and jamming, grooved rolls for close-to-flare cuts, and a fold-away reamer. Made from high-strength aluminum alloy with a spare cutter in the handle. Cuts copper, brass, and aluminum tubing, and thin-wall conduit. Model 205 has all the features of the No. 150, plus a quick-acting mechanism.



Catalog No.	Model No.	Description	Std. Wheel	Capacity mm	Weight kg	Std. Pack
31622	150	Enclosed Feed Cutter	33185	3-28	0,3	6
40762	150-S	Above w/Wheel for Steel	33190	3-28	0,3	1
66737	150-L	Enclosed Feed cutter	33185	3-35	0,4	6
66742	150LS	Above w/wheel for steel	33190	3-35	0,4	1
33055	205	Ratcheting Encl. Feed Cutter	33185	6-60	0,8	1
33070	205	Above w/H-D Wheel(s)	33190	6-60	0,8	1



Nos. 10, 15, 20 and 30

Clean, square cuts are easily made on copper, brass, aluminum and thin-wall conduit. Nos. 10, 15, 20 feature a convenient fold-away reamer.

No. 30 is rated for larger diameter steel and stainless steel tubing.

Catalog No.	Model No.	Description	Std. Wheel	Capacity mm	Weight kg	Std. Pack
32910	10	Screw Feed Cutter	33160	3-25	0,4	6
32915	10	Above w/H-D Wheel	33165	3-25	0,4	6
32920	15	Screw Feed Cutter	33160	5-28	0,6	6
32925	15	Above w/H-D Wheel	33165	5-28	0,6	6
32930	20	Screw Feed Cutter	33160	16-54	0,8	1
32935	20	Above w/H-D Wheel	33165	16-54	0,8	1
32940	30	Screw Feed Cutter	33170	25-79	1,6	1
32950	30	Above w/H-D Wheel	33175	25-79	1,6	1

TUBING TOOLS

Lever benders



Benders for Coated Pipe

Designed for smooth and easy bending of plastic coated copper tubing (e.g. Wicu) up to 90°. Special roller avoids damage to coating. 3 sizes for 12, 15 and 18 mm tubing. (Actual O.D. 16, 19 and 23 mm).

300 Series Plumbing Benders

Designed to bend copper tubing to a maximum of 180°. Offset cushion grip handles and a 90° start angle, together with a specially engineered plastic shoe, combine to ease bending effort. 300 series lever benders form smooth bends in soft copper tubing.

400 Series Instrument Benders

Combine accuracy with easy operation. Offset cushion grip handles eliminate knuckle cracking when forming 180° bends. A 90° start angle and unique oil absorbing shoe minimize bending effort while forming accurate bends in copper, steel and stainless steel tubing.

500 Series Lever Benders

Specially designed for bending stainless steel, titanium and other types of hard tubing.

A unique two-stage handle design and rollers in the bending handle combine to produce high quality bends with significantly less effort than with conventional benders.

Catalog No.	Model No.	Capacity		Weight kg
		Tube size (actual O.D.)	Bend radius	
36962*	310	5/8"	2 1/4"	2,86
36972	312	3/4"	2 7/8"	3,13
36942	310M	10 mm	42 mm	1,81
36947	312M	12 mm	42 mm	1,81
36952	314M	14 mm	56 mm	2,86
36957	315M	15 mm	56 mm	2,86
36962*	316M	16 mm	56 mm	2,86
36967	318M	18 mm	72 mm	3,13
36117	403	3/16"	5/8"	0,68
36122	404	1/4 "	5/8"	0,68
36092*	405	5/16"	15/16"	1,18
36097	406	3/8"	15/16"	1,18
36132	408	1/2"	1 1/2"	2,45
36112	406M	6 mm	16 mm	0,68
36092*	408M	8 mm	24 mm	1,18
36102	410M	10 mm	24 mm	1,18
36127	412M	12 mm	38 mm	2,45
51912	506	3/8"	15/16"	1,5
51917	508	1/2"	1 1/2"	2,7
17931	12 mm	16 mm	40 mm	1,30
17941	15 mm	19 mm	50 mm	1,60
17951	18 mm	23 mm	65 mm	1,90

* This product is dual-purpose, being both inch and metric.

TUBING TOOLS

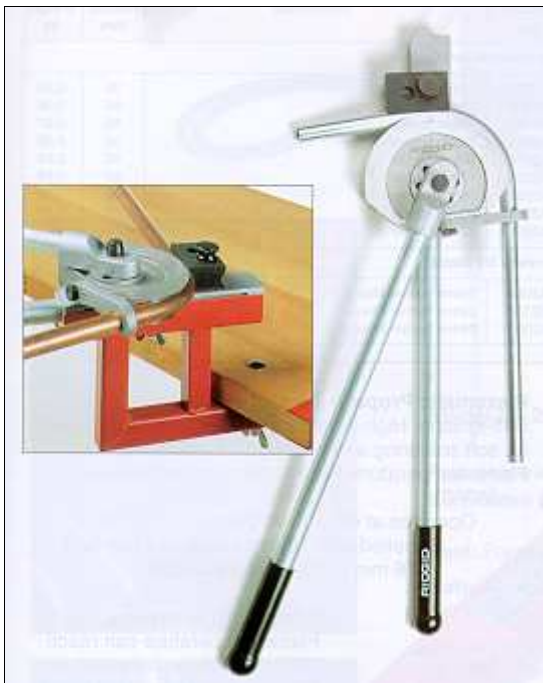
Lever benders



No. 456 Tribender

Designed to easily bend three different sizes of tubing : 1/4", 5/16" and 3/8" with the same tool.

Catalog No.	Model No.	Capacity	Weight kg
44852	456	1/4", 5/16", 3/8"	0,4



No. 370 Tubing Bender

Requires less force to operate than similar bender types. Designed for bending copper, aluminum, coated and stainless steel pipe and tubing with an outside diameter of 10 mm - 22 mm. Bends up to 180°. Can be used by hand, mounted in vice or fixed to workbench with special attachment. Supplied in metal case complete with formers and slides.

Catalog No.	Model No.	Description	Weight kg
30406	370	Bender only	4,6
15321	370	Bender 12, 15, 18, 22 mm	13,2
15331	370	Bender 12, 14, 16, 18, 20, 22 mm	15
15341	370	Bender 10, 12, 14, 16, 18, 22 mm	14
15351	370	Bender 14, 17, 20 mm	14
15361	370	Bender 15, 18, 22 mm	12,5
15371	370	Bender 10, 12, 14, 16, 18, 20, 22 mm	15,5
15381	370	Bender 10, 12, 15, 18, 22 mm	13,8
15401	370	Bender 12, 15, 22 mm	12,2



Catalog No.	Description	Weight kg
29536	Former 10 mm	0,27
29546	Former 12 mm	0,27
29556	Former 14 mm	0,41
29566	Former 15 mm	0,60
29576	Former 16 mm	0,61
29616	Former 17 mm	0,73
29586	Former 18 mm	0,86
29593	Former 20 mm	1,12
29606	Former 22 mm	1,29
29736	Slide 10 mm & 20 mm	0,90
29746	Slide 12 mm & 15 mm	0,50
29756	Slide 14 mm & 16 mm	0,60
29886	Slide 17 mm & 20 mm	0,90
29766	Slide 18 mm & 22 mm	0,90
29906	Adapter for Worktable	2,55
29826	Metal case	4,60

TUBING TOOLS

Ratchet bender



No. 326 Ratchet Bender

Makes up to 90° bends in 10 mm to 22 mm soft copper and coated soft copper tubing. Fast, smooth ratchet action. Unique, sliding mechanism allows side formers to be quickly placed in correct position for diameter of tube to be bent. Supplied in a strong PVC case with sever formers (10, 12, 14, 15, 16, 18 and 22 mm). 17 mm and 20 mm formers are available as accessories.

The 326 can also be used to bend Mepla pipe. Sets are available containing a ratchet bender or 3-position bending frame and 16, 20 and 26 mm formers.

Catalog No.	Model No.	Description	Weight kg
18741	326	Ratchet bender : 10, 12, 14, 15, 16, 18, 22 mm formers	3,85
18891	326	Ratchet bender : 16, 20, 26 mm formers (Mepla)	3,60
18751	-	Bending frame : 16, 20, 26 mm formers (Mepla)	0,65

Accessories

Catalog No.	Description	Radius mm	Weight kg
Formers for Soft Copper			
41976	10 mm former	35	0,05
41986	12 mm former	40	0,06
41996	14 mm former	48	0,07
42006	15 mm former	50	0,08
42016	16 mm former	58	0,08
42026	17 mm former	60	0,08
42036	18 mm former	69	0,09
42046	20 mm former	69	0,09
42056	22 mm former	76	0,10
Formers for Mepla			
42066	16 mm former Mepla	58	0,08
42076	20 mm former Mepla	70	0,09
42086	26 mm former Mepla	93	0,20

Torch



Piezomatic torches use the same handle. Propane and acetylene burners are interchangeable.

Piezomatic Propane Torch

Self-igniting. High-velocity burner rapidly heats tubing for soft soldering and brazing. Flame temperature 1900°C (working temperature 950°C). Operates at 4 bar fixed pressure (58 PSI). Supplied with 19 mm burner. 13 mm and 16 mm burners are also available.

Piezomatic Acetylene Torch

Flame temperature can reach 2300°C (working temperature 1300°C). Heats material much faster than any other air/propane or air/acetylene system. Operating pressure : 0,8 bar acetylene gas. Supplied with 11 mm burner.

Catalog No.	Description		Weight kg
Propane Regulators 4 bar fixed (58 PSI)			
	A	B	
18061	DIN 21,8 mm - 14 LH female	3/8" LH Male	0,34
18071	Euro-shell 21,8 mm - 14 LH female	3/8" LH Male	0,34
18081	Italian 20,0 mm - 14 LH female	3/8" LH Male	0,34
18091	American POL 0,88" - 14 LH Male	3/8" LH Male	0,34
18101	UK POL 5/8" - LH Male	3/8" LH Male	0,34
Accessories			
17231	2,5 m propane hose		0,43
40496	Screwed hose connector, 6 mm		0,04
39426	Screwed hose connector, 8,5 mm		0,04
18151	5 m acetylene hose		0,60
18161	Flashback arrestor		0,16

Catalog No.	Description	Weight kg
18011	Propane torch with 19 mm burner	0,54
18021	Torch handle	0,32
18031	13 mm propane burner	0,22
18041	16 mm propane burner	0,22
18051	19 mm propane burner	0,22
18121	Acetylene torch with 11 mm burner	0,54
18131	11 mm acetylene burner	0,22