

TUBE BENDER

For accurate one handed bending up to 90°,
Ø5–12 mm (1/4–1/2")



APPLICATION AREA

Suitable for pipes made of:

Copper (soft) and aluminium: Ø5–12 mm, 1/4–1/2"
Precision steel (soft): Ø5–12 mm, 1/4–1/2"

KEY FEATURES

- Accurate bending even in restricted spaces
- Production of U-bends, counter bends, swan-neck bends and connecting bends possible at all levels
- Quick and simple change of the bending formers
- Fast release and removal of the bending formers
- One handed operation through the ergonomic design
- Fast and accurate bending

Ratchet arm with bayonet coupling

Quick change of the bending formers

Release lever

Quick release and reset of the bending formers

Ergonomic design

One handed operation

Compact design

Accurate bending even in restricted spaces

Open bending frame

Production of U-bends, counter bends, swan-neck bends and connecting bends possible at all levels

Mechanical ratchet feed

Quick and accurate bending

Various bends possible



TUBE BENDER (No. 24130)



Bending formers (No. 24048)



Back plates (No. 24049)



Bending segments



TUBE BENDER sets include: basic tool complete with bending segments, back plates, in plastic carrying case (No. 24025)

Model	kg	l	No.
Basic set (basic tool, back plates, plastic case)	1.00	1	24010
TB set 5–6–8–10 mm	2.84	1	24131
TB set 6–8–10–12 mm	3.03	1	24132
TB set 8–10–12 mm	2.82	1	24133
TB set 1/4–5/16–3/8–1/2"	2.92	1	24134
Basic tool without bending segments	0.36	1	766004016
Support segment	0.05	1	24048
Back plate without support segment	0.14	1	24049
Plastic carrying case	0.60	1	24025

TUBE BENDER bending segments

Model	Size	g	No.
Bending segments	5 mm	192	24001
Bending segments	6 mm	210	R2403200
Bending segments	8 mm	250	R2403300
Bending segments	9 mm	360	R2403400
Bending segments	10 mm	390	R2403500
Bending segments	12 mm	390	24007
Bending segments	1/4"	210	R2403200
Bending segments	5/16"	250	R2403300
Bending segments	3/8"	270	24006
Bending segments	1/2"	380	24008

Previous bending segments and back plates including support segments from earlier models are compatible!

Bending

Bender

TUBE BENDER MAXI

For accurate one handed bending up to 90°,
Ø 10–26 mm (3/8–7/8")



APPLICATION AREA

For the bending of pipes made of soft copper and aluminium, coated copper and precision steel pipes, as well as multi-layered composite pipes (only in MSR-sets) and stainless steel (soft).

Suitable for pipes made of:

Copper (soft) and aluminium:	Ø 10–22 mm, 3/8–7/8"
Copper (coated):	Ø 10–18 mm, 3/8–5/8"
Precision steel (soft):	Ø 10–22 mm, 3/8–7/8"
Stainless steel (thin-walled, soft):	Ø 10–18 mm, 3/8–5/8"
MSR (multilayer):	Ø 14–26 mm, 5/8–7/8"

KEY FEATURES

- Eliminates the cost for bending formers, storage and purchase
- Quick release and reset of the bending segments
- Bending segments are easily exchanged
- Optimum bending results

Safe transport

Handle will not open during transport

Optimum bending results

Plastic bending segments and support segments with increased conductivity

Mechanical ratchet feed

Quick precise bending

Release lever

Quick release and reset of the bending former

Adjustable bending frame

Production of U-bends, counter bends, swan-neck bends and connecting bends possible at all levels



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TUBE BENDER MAXI sets include: basic unit (No. 766100016), back plate support with segments (Cu set No. 23001), (MSR set No. 23001), (MSR set No. 24022), plastic carrying case (No. 23097)

Model	kg	1	No.
TB MAXI set 12–15–18–22 mm	3.5	1	023020X
TB MAXI set 12–14–16–18–22 mm	3.5	1	023021X
TB MAXI set 3/8–1/2–5/8–3/4–7/8"	3.3	1	023022X
TB MAXI set MSR 14–16–18–20–25 mm	3.3	1	023090X
TB MAXI set MSR 14–16–18–20–26 mm	3.3	1	023091X
Basic tool without back plate support	1.0	1	766100016
Back plate support without support segments	0.5	1	R2301500
Support segments MSR R/L 10–25 mm	0.5	2	23008
Support segments R/L 12–22 mm	0.1	2	23047
Plastic carrying case	1.1	1	995866100

Previous bending segments and support segments from earlier models are compatible

TUBE BENDER MAXI bending segments

Model	Size	max. mm	g	No.
Bending segments	10 mm	1.0	80	23001
Bending segments	12 mm	1.0	80	23002
Bending segments	14 mm	1.0	80	23003
Bending segments	15 mm	1.0	90	23004
Bending segments	16 mm	1.0	100	23005
Bending segments	18 mm	1.0	140	23006
Bending segments	22 mm	1.0	170	23007
Bending segments	3/8"	1.0	70	23010
Bending segments	1/2"	1.0	80	23011
Bending segments	5/8"	1.0	100	23012
Bending segments	3/4"	1.0	120	23013
Bending segments	7/8"	1.0	170	23014

Pro Bender

For bending of pipes out of copper, stainless steel and carbon steel in the sizes 10 and 16 mm / 3/8"–3/4"

KEY FEATURES

- Bending of pipes out of copper, stainless steel and carbon steel possible
- Long lasting due to forged cast iron body
- Comfortable working due to long levers and rubber handles
- Clamping surface for working with a vice



Size	max. mm	R Radius mm	L mm	kg	No.
3/8" / 10mm	1.0	40	530	2.2	1000001431
1/2"	1.0	47	530	2.1	767050016
5/8" / 16mm	1.0	76	770	4.0	1000000445
3/4"	1.0	76	770	3.9	767750016

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MULTIBEND

For accurate bending up to 180° of pipes made of soft copper, aluminium and precision steel Ø 10–18 mm (1/4–5/8")

KEY FEATURES

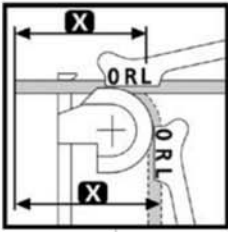
- Bending radius display of 0–180° for accurate bending
- Clamp mechanism for better pipe hold allows the bending of shorter pipe pieces
- Light construction allows for fatigue-free hand operation



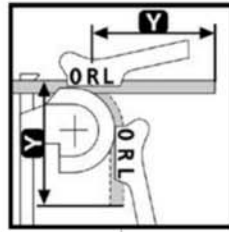
Size	max. mm	R Radius mm	kg	No.
10 mm	1.0	30	0.37	25401
12 mm	1.0	36	0.64	25402
14 mm	1.0	42	0.98	25403
15 mm	1.0	48	1.45	25404
16 mm	1.0	48	1.46	25405
18 mm	1.0	54	2.00	25406

Bending Bender

Method L



Method R



MINIBEND

For accurate two handed bending up to 180° of pipes made of soft copper, brass, aluminium and precision steel Ø6–10 mm (1/4–3/8")

KEY FEATURES

- Suitable for use in refrigeration and air-conditioning, oil supply, automotive, hydraulic and pneumatic industries



Accurate bending

Minimum size chart and bending radius display on measurement scale

Model	Size	g	No.
MINIBEND	6–8–10 mm	420	25150
MINIBEND	1/4–5/16–3/8"	420	25151

Method L: Determination of the length of L-Left

O: Reference to bending scale (0–0) and/or start/end of the bending radius
L: Used to determine/indicate the final dimension desired from the left (pipe beginning) up to top edge of the pipe (Measure X)

Method R: Determination of the length of R-Right

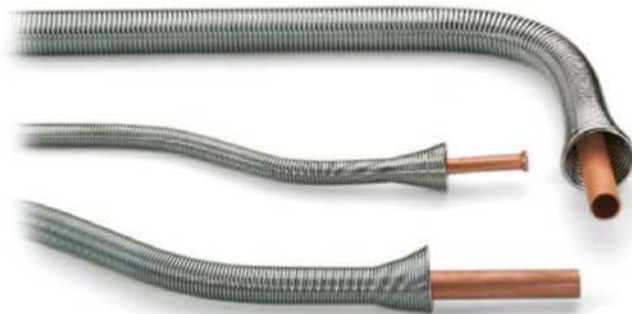
O: Reference to bending scale (0–0) and/or start/end of the bending radius
R: Used to determine/indicate the final dimension desired from the right (pipe beginning) up to top edge of the pipe (Measure Y)

Copper tube bending springs

For free-handed bending of soft copper pipes Ø8–16 mm (5/16–5/8")

KEY FEATURES

- Coiled cone for ideal handling even with longer pipes
- Tough and long lasting with the cadmium-plated spring steel
- Optimal spring form prevents buckling in bending radius area



Size	g	No.	Size	g	No.
8 mm	70	25181	16 mm	220	25186
10 mm	80	25182	5/16"	70	25181
12 mm	160	25183	1/2"	130	25190
15 mm	220	25185	5/8"	220	25186

ROBEND H+W PLUS

For accurate cold bending up to 180°, Ø8–22 mm (5/16–7/8")



KEY FEATURES

- Exact bending to the mm on continuous pipe
- Retains shape and remains stable
- Two-hand bending possible with the additional handle up to Ø 18 mm/5/8"
- Eliminates the costs of purchase and storage of bending formers

Optimum combination of ROLUB guide shoe and the bending former

Perfect bending results without friction marks

Minimum size chart and bending radius display

Accurate bending

Bending formers with base plate

Easy bending through clamping on a vice

KEY FEATURES

- Easy bending through clamping on a vice
- Exact bending with the minimum size chart and bending radius display

ROLUB-Anti-Block-System!

ROLUB-Anti-block-System

Less effort due to lower friction and optimum distribution of the bending spray

Made from high quality forged aluminium

Retains shape and remains stable

Thread for the attachment of the additional lever (accessories)

Free-hand bending possible



Size	max. mm	R Radius mm	g	No.
8 mm	1.0	22	660	24508
10 mm	1.0	32	1,180	24510
12 mm	1.0	38	1,110	24512
14 mm	1.0	45	1,370	24514
15 mm	1.0	45	1,370	24515
16 mm	1.0	64	2,620	24516
18 mm	1.0	64	2,620	24518

Size	max. mm	R Radius mm	g	No.
22 mm	1.0	81	3,800	24522

ACCESSORIES (ADDITIONAL LEVER FOR TWO-HAND BENDING)*

Lever (short) for bending formers Ø 8 mm/3/8"	25075
Lever for bending formers Ø 10–15 mm	25076
Lever for bending formers bigger than Ø 15 mm	25078
Bending spray 150 ml	25120

* possible from 10mm

ROBEND H+W PLUS bending sets

Sets include: ROCASE case system for a maximum of 5 bending formers, 2 levers for vice bending and bending spray (No. 25120), bender corresponds to the respective pipe dimensions



Model	mm	kg	No.
12–15–18–22 mm	1.0	16.5	24500
15–18–22 mm	1.0	14.9	24505
1/2–5/8–3/4"	1.0	13.6	24503
1/2–5/8–7/8"	1.0	13.7	24504

ROLUB-Anti-Block special guide shoe

Especially adapted to the ROBEND H+W bender the ROLUB guide shoe with two-point lubricating chamber system

ROLUB guide shoe made of high-quality polyamide

Perfect bending results without friction marks

Two-point lubricating chamber system

Ensures optimum distribution of lubrication



Size	g	No.	Size	g	No.
8 mm	20	25308	22 mm	90	25322
10 mm	20	25310	5/16"	20	25308
12 mm	30	25312	3/8"	25	25310
14 mm	30	25314	1/2"	30	25313
15 mm	30	25315	5/8"	50	25316
16 mm	50	25316	3/4"	90	25319
18 mm	50	25318	7/8"	90	25322

Bending

Bender

ROBEND 4000

Portable, sturdy and powerful. Cold bending up to 180°, Ø 12–35 mm (1/2–1.3/8")



APPLICATION AREA

Universal application in sanitary and heating installations, in pipeline construction, refrigeration and air-conditioning systems as well as industrial systems and batch production. Fewer joints means less potential for leaks. Safety implies less likelihood of injury.

Suitable for pipes made of:

Copper (hard, semi-hard and soft DIN EN 1057, 12735-1, 13348): Ø 12–35 mm, (1/2–1.3/8")

Copper- and Precision steel (coated): Ø 12–28 mm, (1/2–1.1/8")

Precision steel (soft DIN 2391/2393/2394): Ø 12–28 mm, (1/2–1.1/8")

Threaded steel (DIN 2440/2441): Ø 1/2", 3/4"

Seamless Stainless steel (GW 541): Ø 12–28 mm, (1/2–1.1/8")

Multi-layered composite pipe (MSR): Ø 12–32 mm, (1/2–1.1/4")

KEY FEATURES

- Quick return on investment through the savings from joints, soldering material and energy
- Universal application: U-bends, counter-bends, swan-neck bends and connecting bends possible at all levels
- Retains shape and remains stable: bending formers made of high-quality forged aluminium
- Top-quality, precise and simple to use
- Bending without deformation or ripples due to less friction
- Motor rating: 1010 Watt, 50/60 Hz

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Forged aluminium former with bending radius scale

Easy to use

Pre-adjustment of the bending angle without tools

Fast and precise bending

Special ROLUB guide shoe

Bending without deformation or ripples due to less friction



High-performance 1,010 W motor

Ideal for continuous operation

Automatic switch-off when preset bending angle is obtained

Fast batch production possible

Bending technology

Simplified work preparation, eliminates costs of purchase and storage of fittings

Bending of pipes made of various materials possible



Seven-fold drive



Comfortable carry handle



ROBEND 4000 with stand



ROBEND 4000 sets

Sets include: Basic 230V unit (No. 1000001559), bending formers and guide shoes for respective pipe diameters, guide shoe axle (No. 25743), adaptor for tripod (No. 25748) in basic unit (tripod optional), carrying case

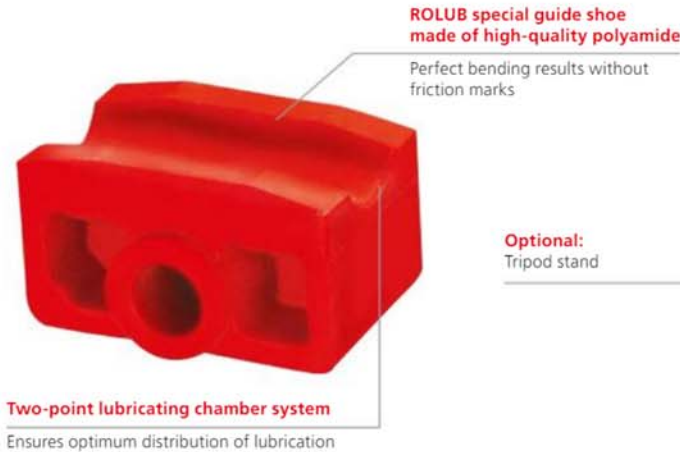


Fig. ROBEND 4000 set

Model	Description	Pipe type	⚖️ kg	No.
ROBEND 4000 set	15–18–22 mm	Cu, Fe et al.	24.12	1000001554
ROBEND 4000 set	15–18–22–28 mm	Cu, Fe et al.	24.12	1000001550
ROBEND 4000 set	12–14–16–18–22 mm	Cu, Fe et al.	21.90	1000001551
ROBEND 4000 set	15–22–28 mm	Cu, Fe et al.	21.10	1000001545
ROBEND 4000 set	12–14–16–18–22–28 mm	Cu, Fe et al.	24.10	1000001552
ROBEND 4000 set	12–15–18–22 mm	Cu, Fe et al.	20.60	1000001548
ROBEND 4000 set	12–15–18–22–28 mm	Cu, Fe et al.	23.50	1000001549
ROBEND 4000 set	15–18–22–28–35 mm	Cu, Fe et al.	32.00	1000001567
ROBEND 4000 set	1/2–5/8–3/4"–7/8"	Cu, Fe et al.	19.60	1000001553
ROBEND 4000 set	1/2–5/8–3/4"–7/8–1.1/8–1.3/8"	Cu, Fe et al.	29.00	1000001565
ROBEND 4000 set	7/8–1.1/8–1.3/8"	Cu, Fe et al.	22.00	1000001566
ROBEND 4000 basic unit	in carrying case without bending segments	Cu, Fe et al.	14.50	1000001559

ROBEND 3000/4000 bending formers

For bending pipes Ø 12–35 mm (1/2–1.3/8")



For metric copper pipe DIN EN 1057, 12735-1, 13348, aluminium pipe, Precision steel pipe DIN 2391/93/94, stainless steel pipe and others

Size	mm	R Radius mm	⚖️ kg	No.
12 mm	1.0	42	0.48	25612
14 mm	1.0	49	0.48	25614
15 mm	1.0	52	0.53	25615
16 mm	1.0	56	0.60	25616
18 mm	1.0	72	1.17	25618
20 mm	1.0	80	1.42	25620
22 mm	1.2	88	1.42	25622
28 mm	2.0	112	2.90	25628
32 mm**	2.0	128	3.40	1000001561
35 mm**	2.0	140	3.60	1000001563

For imperial copper pipe DIN EN 1057, 12735-1, 13348 aluminium pipe. Precision steel pipe DIN 2391/93/94, stainless steel pipe and others

Size	mm	R Radius mm	⚖️ kg	No.
1/2"	1.2	45	0.53	25652
5/8"	1.2	56	0.60	762955300
3/4"	1.2	80	1.42	25619
7/8"	1.2	88	1.42	762955700
1"	1.5	112	2.90	25625
1.1/8"	1.6	112	2.90	25626
1.1/4"***	2.0	128	3.40	1000001561
1.3/8"***	2.0	140	3.60	1000001563

* Complete terms and conditions at rothenberger.com/service
RO SERVICE+ only valid in participating countries.

** Bending Former Sets (No. 1000001561), (No. 1000001563) are only compatible with ROBEND 4000. Only matching with optional plastic carrying case (No. 1000001564)