

Copper installation tubes in rings, soft (R 220)

DIN EN 1057/DVGW

Type copper	Tube Ø external	Wall thickness	Ring length	Operating pressure***
CUR 4x1 R*	4	1	50 m	382 bar
CUR 6x1 R	6	1	50 m	229 bar
CUR 8x1 R	8	1	50 m	163 bar
CUR 10x1 R	10	1	50 m	127 bar
CUR 12x1 R	12	1	50 m	104 bar
CUR 15x1 R	15	1	50 m	82 bar
CUR 18x1 R**	18	1	25 m	67 bar
CUR 22x1 R**	22	1	25 m	54 bar

* industrial quality EN 12449 (R 200), ** only complete rolls are available, *** the maximum permitted operating pressure was calculated based on soft copper tubes (R 200) and a safety value of 3.5 at an operating temperature of +100 °C. The permitted operating pressure is based on the copper tube, not on the connecting parts! The values for harder tubes are higher.



Copper installation tubes in rods, hard (R 290), semi-hard (R 250)

DIN EN 1057/DVGW

Rod length: 5 m

Type copper	Tube Ø external	Wall thickness	Strength	Operating pressure**
CUR 4x1*	4	1	R 290	382 bar
CUR 6x1	6	1	R 290	229 bar
CUR 8x1	8	1	R 290	163 bar
CUR 10x1	10	1	R 290	127 bar
CUR 12x1	12	1	R 250	104 bar
CUR 14x1*	14	1	R 290	89 bar
CUR 14x1.5*	14	1.5	R 290	135 bar
CUR 15x1	15	1	R 250	82 bar
CUR 16x1*	16	1	R 290	76 bar
CUR 16x1.5*	16	1.5	R 290	116 bar
CUR 18x1	18	1	R 250	67 bar
CUR 22x1	22	1	R 250	54 bar
CUR 28x1	28	1	R 250	42 bar
CUR 35x1.2	35	1.2	R 290	41 bar
CUR 42x1.2	42	1.2	R 290	34 bar
CUR 54x1.5	54	1.5	R 290	33 bar



* industrial quality EN 12449, ** the maximum permitted operating pressure was based on the use of soft copper tubes (R 200) and a safety value of 3.5 at an operating temperature of +100 °C. The permitted operating pressure is based on the copper tube, not on the connecting parts! The values for harder tubes are higher.



When ordering, please state shipping length!

Parcel service: max. 2 m
Express: max. 3 m
Freight: max 6 m

Tube cutter

Suitable: For cutting of aluminium, copper, steel and stainless steel pipes, as well as plastic and composite pipes. Pipe cutter with 4 guide rollers for optimum holding of the pipes, incl. replacement cutting wheel in the handle. Do not use to cut tubes for cutting ring fittings!

Note: Type Ø 6 - 76 mm only has a practical quick adjustment. The pipe cutters are colour coded:

- red - for copper, brass & aluminium pipes
- grey - for steel & stainless steel pipe
- black - for plastic & composite pipes

Type Ø 3 - 35 mm	Type Ø 6 - 76 mm	for material	max. wall thickness	Type Replacement cutting wheel	Ø x width
RAS 35	RAS 76	Copper, brass, aluminium	2	RAS KL	19 x 6,2
RAS 35 ES	RAS 76 ES	Steel, stainless steel	2,5	RAS KL ES	19 x 6,2
---	RAS 76 KU	Plastic, composite pipes	8,6	RAS KL KU	30 x 6,2



Deburrer

Materials: Standard: Plastic body with stainless steel blades, Heavy Duty: Aluminium with black stainless steel graters

Suitable: For deburring (inside and outside) of pipes. Standard design can be used for soft materials, such as plastic, copper, aluminium, etc. Heavy Duty design is suitable also for steel and stainless steel.

Type	Design	for tubes Ø external
ENTGR 36	Standard	4 - 36
ENTGR 35 ES	Heavy Duty	8 - 35
ENTGR 56 ES	Heavy Duty	10 - 56



Threaded tubes

DIN EN 10255-M (DIN 2440)

Description: Tube made of non-alloy steel, suited for welding and tapping

Operating range: Transport of liquids, air and non-hazardous gases

Version: Black finish or hot-dip galvanised, with smooth tube ends without thread or sleeve (OO)

Materials: S 195 T (ST 33), all tubes are subjected to cold-water pressure testing or eddy-current testing under 50 bar

Operating pressure: Liquids up to max. 25 bar, gas and compressed air up to max. 10 bar

Manufacturer lengths: 6 m ± 0,15 m (seamless ± 1 m)

Type welded black	Type seamless black	Type welded hot-dip galv.	Type seamless hot-dip galv.	Thread size	Tube Ø external	Wall thick.
GWR 14 G	---	GWR 14 V G	---	1/4"	13.5	2.35
GWR 38 G	GWR 38	GWR 38 V G	GWR 38 V	3/8"	17.2	2.35
GWR 12 G	GWR 12	GWR 12 V G	GWR 12 V	1/2"	21.3	2.65
GWR 34 G	GWR 34	GWR 34 V G	GWR 34 V	3/4"	26.9	2.65
GWR 10 G	GWR 10	GWR 10 V G	GWR 10 V	1"	33.7	3.25
GWR 114 G	GWR 114	GWR 114 V G	GWR 114 V	1 1/4"	42.4	3.25
GWR 112 G	GWR 112	GWR 112 V G	GWR 112 V	1 1/2"	48.3	3.25
GWR 20 G	GWR 20	GWR 20 V G	GWR 20 V	2"	60.3	3.65
GWR 212 G	GWR 212	GWR 212 V G	GWR 212 V	2 1/2"	76.1	3.65
GWR 30 G	GWR 30	GWR 30 V G	GWR 30 V	3"	88.9	4.05
GWR 40 G	GWR 40	GWR 40 V G	GWR 40 V	4"	114.3	4.50

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.



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Parcel service: max. 2 m
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Freight: max 6 m

