

NEW

ROLOCK EXPANDER

POWER TORQUE TOOL AND TWIST & LOCK HEADS



FAST

Twist & lock system for screwable and twist-lock heads



SAVINGS

50% reduction in labour, soldering materials and soldering joints



GERMAN MADE

The know-how from the pioneer of expanding technology

NEW

ROLOCK EXPANDER

ROLOCK EXPANDER Power Torque

For expanding, reducing and calibrating soft and semi-hard pipes \varnothing 8 - 42 mm (5/16 - 1.5/8"), as well as producing tapers



APPLICATION AREA

For efficient, fitting-free installation of pipes in sanitary, heating, gas, refrigeration and air-conditioning systems

Suitable for pipes made of:

Copper (soft and semi-hard): \varnothing 8 - 42 mm, 5/16 - 1.5/8"
max. wall thickness 1.6 mm

Aluminium (soft): \varnothing 8 - 28 mm, 5/16 - 1.1/8"
max. wall thickness 1.6 mm

Precision steel (soft): \varnothing 8 - 28 mm, 5/16 - 1.1/8"
max. wall thickness 1.6 mm

Stainless steel (soft): \varnothing 8 - 22 mm, 5/16 - 7/8"
max. wall thickness 1.0 mm

KEY FEATURES

- Eliminates the cost of purchase and storage of fittings
- Converts deformed pipes into fittings; saves resources
- 50% reduction of labour, soldering materials, joints and energy
- Reliable pipe connection according to DVGW standards
- Tough, light and wear-resistant
- Fine adjustment of the capillary gap
- EPT® – concealed bent lever

Made in Germany!

The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools!



Toolless adjustment of expanding dimension and capillary gap

Twist & lock system for screwable and twist-lock heads

Long lever arms

Reduces effort required

Expanding

Up to 50% reduction in labour, soldering materials, joints and energy

Ergonomic handles

No slipping, no clamping



Steel receptacle

Twist and lock system
Tough and wear-resistant

Extra long segments

Reliable pipe connection according to DVGW standards

High-performance, forged aluminium body

Light weight, optimal handling

ROLOCK EXPANDER Power Torque



No.

Expander tool (without expander heads)
for expander heads up to 41 mm / 1.5/8"

1

1.0

12400

ROLOCK EXPANDER Power Torque Sets

ROLOCK EXPANDER Power Torque Sets include: Expander heads, ROLOCK EXPANDER Power Torque (No. 12400), internal and external deburrer (No. 11006), in a steel carrying case (No. 24022), plastic inlay (No. 11002)

ROLOCK EXPANDER Power Torque Sets			
Description		kg	No.
1/2 - 3/4 - 1" Plumbing set	1	2.9	12535
3/8 - 1/2 - 5/8 - 3/4 - 7/8 - 1 - 1.3/8" Refrigeration set	1	3.7	12536
15 - 22 28 mm* NZ Plumbing set	1	2.9	12527

*22mm head suitable for NZ 20mm pipe & 28mm head suitable for NZ 25mm pipe

EPT®-Technology (Enclosed Power Transmission)

The expander head offers the following technical benefits:

Concealed bent lever:

Protection against dirt and external mechanical damage

Energy efficient through optimised force transmission:

Ergonomic, highly optimised force flow in relation to the hand force of the user, therefore reducing effort



ROLOCK Expander Head

For producing standard precision flares $\varnothing 8 - 42 \text{ mm}$ (5/16 - 1.3/4") according to DVGW standards;

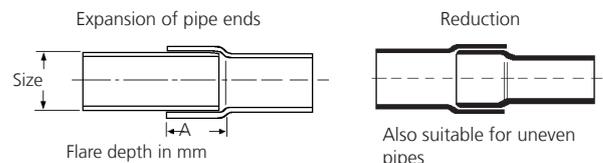
KEY FEATURES

- 50% reduction in labour, soldering materials and soldered joints
- Depth of the flare is consistent with DVGW standards
- Guide guarantees a perfect centred position and uniform capillary gap
- Tough and long lasting with the hardened segments

Made in Germany!

The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 40 years!

Twist and lock heads for ROLOCK EXPANDER Power Torque

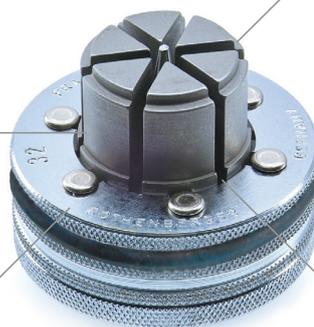


Specially hardened segments

Tough and long lasting

6 Rivets and guide channels

Guide guarantees a perfect centred position and uniform capillary gap



Step at the end of the segments

Enables re-calibration of irregular pipes and fittings



Extra long Segments

Depth of the flare is consistent with DVGW standards

NEW

ROLOCK EXPANDER

Expander head ROLOCK

Twist & lock system for quick and easy change between nominal diameters



Expander head standard

Standard screwable expander head, still compatible with the ROLOCK Expander



Australia

 Inch	Cu	Al	Fe	Inox	A mm	 g wt	ROLOCK No.	Standard
1/4"	1.0	1.0	1.0	1.0	6.0	100	-	100B-04
5/16"	1.0	1.0	1.0	1.0	6.0	120	12408	11008
3/8"	1.0	1.0	1.0	1.0	7.4	120	12452	11052
1/2"	1.2	1.2	1.2	1.0	11.0	120	12453	11053
5/8"	1.2	1.2	1.2	1.0	14.0	120	12454	11054
3/4"	1.2	1.2	1.2	1.0	18.1	120	12455	11055
7/8"	1.2	1.2	1.2	1.0	18.0	140	12456	11056
1"	1.5	1.5	1.5	-	15.8	150	12457	11057
1.1/8"	1.6	1.6	1.6	-	17.0	390	12458	11058
1.1/4"	1.6	-	-	-	17.0	410	12459	11059
1.3/8"	1.6	-	-	-	17.0	430	12435	11035
1.1/2"	1.6	-	-	-	17.0	450	12438	11038
1.5/8"	1.6	-	-	-	17.5	470	12462	11062
2"*	1.6	-	-	-	17.0	550	-	11364

*2" expander head (11364) must be used with Expander Adaptor (11007)

New Zealand

 mm	Cu	Al	Fe	Inox	A mm	 g wt	ROLOCK No.	Standard
8	1.0	1.0	1.0	1.0	6.0	120	12408	11008
10	1.0	1.0	1.0	1.0	7.4	120	12410	11010
12	1.2	1.2	1.2	1.0	11.0	120	12412	11012
15	1.2	1.2	1.2	1.0	14.0	120	12415	11015
22*	1.2	1.2	1.2	1.0	18.1	120	12422	11022
28*	1.5	1.2	1.2	-	18.0	140	12428	11028
35	1.6	-	-	-	15.8	150	12435	11035
42	1.5	-	-	-	17.0	390	12442	11042

*22mm (11015) suitable for NZ 20mm pipe & 28mm (11028) suitable for NZ 25mm pipe

Expander Adaptor

To increase the application area of the ROCAM® EXPANDER Power Torque



Allows the use of the 2" expander heads with copper pipe (soft) up to 67 mm and/or 2.1/2"!



Model	 max. mm / inch	 max. mm	 No. Adaptor
Type S,	67 mm - 2.1/2"	2.0	630 11007

Industrial Tube Expander Tool

For expanding, reducing and calibrating thick walled pipes, as well as the production of tapers

Product Profile

Application Area

For efficient, fitting-free installation of pipes in sanitary heating, gas, refrigeration and air-conditioning systems

Suitable for pipes made of:

Copper and aluminium: Ø 32 - 102 mm, 1.1/4 - 4"
(soft) Ø 35 - 108 mm, 1.3/8 - 4.1/8"
 max. wall thickness 2.5 mm

KEY FEATURES

- Affordable alternative when laying larger pipe dimensions with a considerable saving of soldering materials
- Expand without changing tools with the 6 size step expander
- Specially designed expander head segments allows for heavy loads
- Optimum adjustment of the socket size and capillary gap with the positive fine adjustment
- Optimised force transmission with the trapezoidal screw thread with self-lubricating bronze socket
- Guide guarantees a perfect centred position and uniform capillary gap with 6 rivets and guiding ridge



Note: Expander A1 does not include ratchet handle, optional extra.

Description	Size	kg	No.
Model A1R - Plumbing*	1.1/4 - 1.1/2 - 2 - 2.1/4 - 3 - 4"	3.8	11093
Model A1R - Refrigeration*	1.3/8 - 1.5/8 - 2.1/8 - 2.5/8 - 3.1/8 - 4.1/8"	4.2	11078
Ratchet handle (optional)	3/4" square drive	1.4	27181



3/4" Ratchet handle No. 27181

TEE-EXTRACTOR SETS

Tee-Extractor Sets

For efficient production of T-branches (extractions) for fitting-free pipe installations

Made in Germany!

The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 40 years!



Product Profile

APPLICATION AREA

Suitable for pipes made of:

Copper (soft, semi-soft, hard): 10 - 50 mm, 3/8 - 2" max. wall thickness 2.5 mm

Aluminium: 10 - 50 mm, 3/8 - 2" max. wall thickness 2.5 mm

Precision steel: 10 - 50 mm, 3/8 - 2" max. wall thickness 2.5 mm

KEY FEATURES

- Eliminates the cost for T-pieces, purchase and storage of fittings
- Extractions even on installed pipes possible
- Accurate drilling
- Optimal positioning with the cam pincher depth adjustment

Scale and cam depth adjustment



Extractor Cam Pincer

Limits insertion depth for Ø 12 - 42 mm (1/2 - 1.5/8")



Optimum capillary gap

Professional extractions

Limits the insertion depth

Optimal positioning

No pipe removal

Extractions possible even on installed pipes

UNIDRILL® Automatic 42

Accurate drilling



No. 21575



Tee-Extractor sets include: Tee-Extractor according to chart, special ratchet (No. 22081), cam pincer (No. 22080) and special conical drill, UNIDRILL Automatic 42 (No. 21575)

Model	Description	kg	No.
Extractor set - Plumbing	1/2 - 3/4 - 1"	3.3	22135
Extractor set - Refrigeration	1/2 - 5/8 - 7/8 - 1.1/8"	3.7	22124
Extractor set - New Zealand	15 - 22 - 28 mm*	3.6	22127

*Note: 22 mm extractor suitable for NZ 20 mm pipe & 28 mm extractor suitable for NZ 25 mm pipe

Tee-Extractor

Tee-Extractor with double v-block for accurate 90° branches, Ø 10 - 50 mm (3/8 - 2")

Product Profile

KEY FEATURES

- Uniform and proper material extraction without scratches or burrs
- Burr-free operation with the specially polished extractor hooks
- Easy insertion into the drilled hole with the special trapezoidal screw thread
- Accurate and firm positioning for exact 90° branches
- Eliminates the cost of fittings and reduces the cost of solder and gas. Saving time and energy

Double V-block

Accurate and firm positioning for exact 90° branches

Special hook design

Easy insertion into drilling hole

Special trapezoid thread

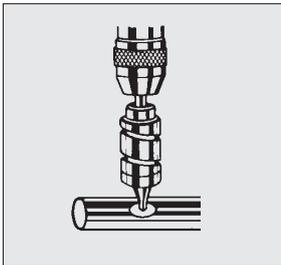
Optimum force transmission

Forged and tempered extractor hooks with special polish

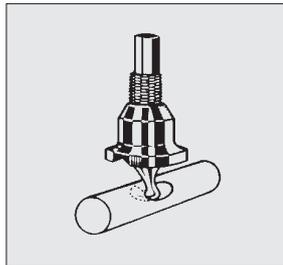
Burr-free extraction



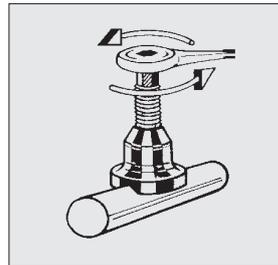
Precise drilling of the pipe without a centre punch – drill stop prevents perforation of the pipe



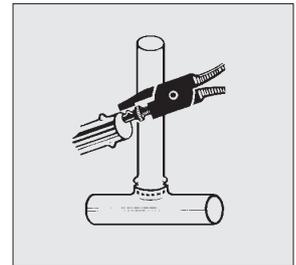
TIP - Anneal the pipe prior to extracting for an easier extraction & longevity of the hook life.
Insert extractor hook into the drilled hole and screw the bell firmly against the drill hole



Using the ratchet, turn the extractor to the left, while paying attention that the v-block is seated securely



After extraction, set correct insertion depth (dependant on pipe Ø) with cam pincer



Simply calibrate the tee Ø on the UNIDRILL Automatic and the drilled hole Ø will automatically correspond to the extractor hook required

mm/inch	mm	Drill Ø mm	SW mm	g	No.
15	1.0	8	11	160	22015
22*	2.0	12	11	350	22022
28*	2.5	15	11	470	22028
3/8"	1.0	6	11	110	22060
1/2"	1.0	7	11	140	22061
5/8"	1.0	8	11	220	22016
3/4"	2.0	10	11	220	22062
7/8"	2.0	12	11	350	22063

**22 mm (22022) suitable for NZ 20 mm pipe & 28 mm (22028) suitable for NZ 25 mm pipe

Hexagon Square

mm/inch	mm	Drill Ø mm	SW mm	g	No.
1"	2.5	14	11	470	22064
1.1/8"	2.5	15	11	480	22065
1.1/4"	2.5	19	11	700	22066
1.3/8"	2.5	22	11	700	22035
1.1/2"	2.5	22	11	700	22038
1.5/8"	2.5	26	11	900	22068
2"	2.5	30	19	1380	22050

Accessories

Ratchet Handle (for 2" Extractor Head)

27181

**2" extractor head will not work with the unidrill and ratchet handle from the kit. You must use a 30 mm hole-saw and 3/4" ratchet drive handle or purchase Ratchet Handle 27181