

Engineering progress  
Enhancing lives

# Building Solutions product catalog



**REHAU**

# REHAU Academy

The **REHAU Academy** training program offers you the skills to design and install REHAU products professionally. We aim to push the boundaries of energy efficiency and integrate the best ways to communicate the premium value of our products to your customers. REHAU Academy is not just pipe, valve and fitting training!

REHAU Academy is staffed with experts in REHAU product technologies and their applications in the built environment, including product development engineers, standards specialists, controls experts and technical sales engineers. Our team of presenters includes professionals with academic and practical experience, trained to deliver the information you need to know.

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## Registration for Seminars

New seminars are planned each month. Many seminars are planned in cooperation with REHAU distributors and partners. For upcoming training dates and locations, or to request a seminar, visit [na.rehau.com/academy](http://na.rehau.com/academy)

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# REHAU EDGE<sup>SM</sup>



**REHAU EDGE** encourages all aspects of your business growth through training, product and tool incentives, design services, brand merchandise and local, regional and national events.

## Who Is Eligible?

All contractors installing REHAU PEXa systems in the US and Canada are eligible to join REHAU EDGE. There are no membership fees and no minimum purchase is required. All you have to do is complete and submit an application by visiting our website at [edge.rehau.com](http://edge.rehau.com)

# REHAU Design Services

**REHAU Design Services** The REHAU design services team includes engineers, designers, industry standards experts and PEXa piping specialists prepared to seamlessly integrate into your project team. Our team specializes in radiant heating, radiant cooling, snow and ice melting, geexchange and plumbing systems aimed at maximizing energy efficiency and reducing building and operational costs. Request a design proposal at [www.na.rehau.com/design](http://www.na.rehau.com/design)



## Schematic Design

- Integration of radiant heating/cooling systems to meet building performance goals
- Initial output calculations
- Reference project library

## Design Development

- Piping layouts
- Material estimates
- BIM library
- Product specifications
- Technical resource center
- Engineering calculations

## Construction Documentation

- Product submittals
- Technical bulletins
- Product instructions

## Procurement/Bidding

- Material take-offs
- Prepare bill of materials
- Assistance with analyzing quotes
- Educate contractors on specified systems

## Final Construction

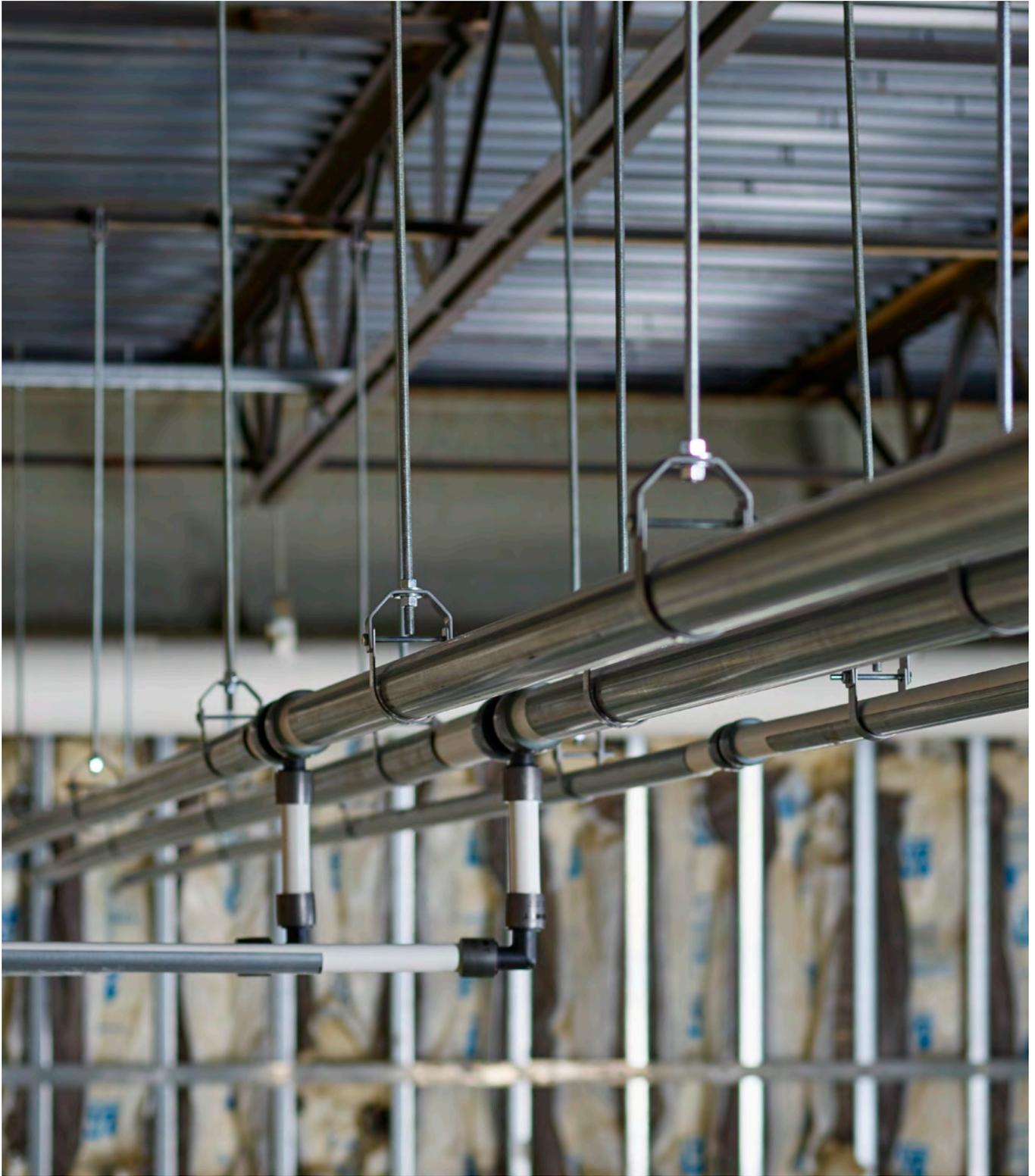
- Installation support
- Product training and instruction
- Technical documentation

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*On the cover: Collaborative planning and unique design supported the University of Chicago Campus North Residential Commons in Chicago, IL. in meeting ambitious energy efficiency goals. Compared to the average residence hall usage in Chicago, the energy usage intensity goals represent a 41% reduction, eliminating 1,920 metric tons of CO<sub>2</sub> emissions per year, thanks in part to a REHAU radiant heating and cooling system. © Tom Harris Photography*





# 1. RAUPEX® PEXa Plumbing Systems

Product Catalog

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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit [na.rehau.com/resourcecenter](http://na.rehau.com/resourcecenter)

# 1. RAUPEX UV shield pipe

RAUPEX UV shield pipe is manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUPEX UV shield pipe has a co-extruded PE shield that protects the pipe against ultraviolet light (sunlight) for one year. All RAUPEX UV shield pipe meets or exceeds the requirements of ASTM F876, CSA B137.5 and PPI TR-3 and is certified to NSF Standards 14/61. RAUPEX UV shield pipe is manufactured in the USA by REHAU in a plant using a quality management system that is certified to ISO 9001. RAUPEX UV shield pipe is for use with the EVERLOC+® compression-sleeve system certified to ASTM F877, the REHAU F1960 cold expansion fitting system certified to ASTM F1960, and RAUPEX compression nut fittings. See REHAU Technical Bulletin TB261 for other compatible PEX fitting systems.



## 3/8 in. RAUPEX Red UV Shield Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235331-502*	3/8 in. RAUPEX Red UV Shield Pipe 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 coil
235331-002*	3/8 in. RAUPEX Red UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 coil

\*This item is not stocked. Lead times may vary.

## 1/2 in. RAUPEX Red UV Shield Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235351-102	1/2 in. RAUPEX Red UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-302	1/2 in. RAUPEX Red UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-502	1/2 in. RAUPEX Red UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-002	1/2 in. RAUPEX Red UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-152	1/2 in. RAUPEX Red UV Shield Pipe 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-352	1/2 in. RAUPEX Red UV Shield Pipe 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

## 3/4 in. RAUPEX Red UV Shield Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235371-102	3/4 in. RAUPEX Red UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-302	3/4 in. RAUPEX Red UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-502	3/4 in. RAUPEX Red UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-152	3/4 in. RAUPEX Red UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

**1 in. RAUPEX Red UV Shield Pipe**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235381-102	1 in. RAUPEX Red UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-302	1 in. RAUPEX Red UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-502	1 in. RAUPEX Red UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

**20 ft Straight Lengths RAUPEX Red UV Shield Pipe**



Article No.	Description	Package Quantity Bag	Unit Weight		Minimum Order
			kg	lb	
235351-022	1/2 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.5	1.2	1 bag
235371-022	3/4 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-022	1 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag

Straight lengths are packaged in a single outer bag.

**3/8 in. RAUPEX Blue UV Shield Pipe**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235331-501 <sup>+</sup>	3/8 in. RAUPEX Blue UV Shield Pipe 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 coil
235331-001 <sup>+</sup>	3/8 in. RAUPEX Blue UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 coil

<sup>+</sup>This item is not stocked. Lead times may vary.

**1/2 in. RAUPEX Blue UV Shield Pipe**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235351-101	1/2 in. RAUPEX Blue UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-301	1/2 in. RAUPEX Blue UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-501	1/2 in. RAUPEX Blue UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-001	1/2 in. RAUPEX Blue UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-151	1/2 in. RAUPEX Blue UV Shield Pipe 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-351	1/2 in. RAUPEX Blue UV Shield Pipe 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

**3/4 in. RAUPEX Blue UV Shield Pipe**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235371-101	3/4 in. RAUPEX Blue UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-301	3/4 in. RAUPEX Blue UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-501	3/4 in. RAUPEX Blue UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-151	3/4 in. RAUPEX Blue UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

**1 in. RAUPEX Blue UV Shield Pipe**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235381-101	1 in. RAUPEX Blue UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-301	1 in. RAUPEX Blue UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-501	1 in. RAUPEX Blue UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

**20 ft Straight Lengths RAUPEX Blue UV Shield Pipe**

Article No.	Description	Package Quantity Bag	Unit Weight		Minimum Order
			kg	lb	
235351-021	1/2 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.50	1.2	1 bag
235371-021	3/4 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-021	1 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag

Straight lengths are packaged in a single outer bag.

**3/8 in. RAUPEX White UV Shield Pipe**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235331-513+	3/8 in. RAUPEX White UV Shield Pipe 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 coil
235331-013+	3/8 in. RAUPEX White UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 coil

\*This item is not stocked. Lead times may vary.



1/2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235351-113	1/2 in. RAUPEX White UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-313	1/2 in. RAUPEX White UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-513	1/2 in. RAUPEX White UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-013	1/2 in. RAUPEX White UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-153	1/2 in. RAUPEX White UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-353	1/2 in. RAUPEX White UV Shield Pipe, 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

3/4 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235371-113	3/4 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-313	3/4 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-513	3/4 in. RAUPEX White UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-013	3/4 in. RAUPEX White UV Shield Pipe, 1000 ft coil (304.8 m)	1000 ft	48.9	108.0	1 coil
235371-153	3/4 in. RAUPEX White UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

1 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235381-113	1 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-313	1 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-513	1 in. RAUPEX White UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

1 1/4 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
132571-113	1 1/4 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	11.4	25.0	1 coil
132571-313	1 1/4 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	34.2	75.0	1 coil

**1 1/2 in. RAUPEX White UV Shield Pipe**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
132581-113	1 1/2 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	16.0	35.0	1 coil
132581-313	1 1/2 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	48.0	105.0	1 coil

**2 in. RAUPEX White UV Shield Pipe**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
132591-113	2 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	27.4	60.0	1 coil
132591-313	2 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	82.2	180.0	1 coil

**20 ft Straight Lengths RAUPEX White UV Shield Pipe**

Article No.	Description	Package Quantity Bag	Unit Weight kg	Unit Weight lb	Minimum Order
235351-023	1/2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.50	1.2	1 bag
235371-023	3/4 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-023	1 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag
132571-023	1 1/4 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	2.3	5.0	1 bag
132581-023	1 1/2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	3.2	7.0	1 bag
132591-023	2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	5.5	12.0	1 bag

Straight lengths are packaged in a single outer bag.

**Pre-sleeved RAUPEX White UV Shield Pipe**

RAUPEX UV shield pipe with a red or blue corrugated PE sleeve, where jurisdictional requirements for plumbing pipe are to be sleeved when buried in concrete or other substrate.

**RAUPEX White UV Shield Pre-sleeved Pipe**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
106596-777	1/2 in. RAUPEX White UV Shield Pre-sleeved Red, 300 ft (91.4 m)	300 ft	14.1	30.9	1 coil
106598-888	1/2 in. RAUPEX White UV Shield Pre-sleeved Blue, 300 ft (91.4 m)	300 ft	14.1	30.9	1 coil
106394-777	3/4 in. RAUPEX White UV Shield Pre-sleeved Red, 300 ft (91.4 m)	300 ft	21.2	46.7	1 coil
106395-888	3/4 in. RAUPEX White UV Shield Pre-sleeved Blue, 300 ft (91.4 m)	300 ft	21.2	46.7	1 coil
106396-777	1 in. RAUPEX White UV Shield Pre-sleeved Red, 100 ft (30.5 m)	100 ft	11.2	24.7	1 coil
106397-888	1 in. RAUPEX White UV Shield Pre-sleeved Blue, 100 ft (30.5 m)	100 ft	11.2	24.7	1 coil



## 2. EVERLOC+ compression-sleeve fittings

EVERLOC+ compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with EVERLOC+ compression-sleeve tools. Follow all published REHAU Technical Guidelines. EVERLOC+ polymer fittings are produced from a polyphenylsulfone (PPSU) material. EVERLOC+ LF brass fittings are produced from ECO Brass® (UNS C69300 or CW724R). EVERLOC+ compression sleeves are produced using a specially formulated PEXa material and are designed specifically for use with EVERLOC+ fittings. All EVERLOC+ fittings and sleeves comply with the lead-free requirements of the U.S. Safe Drinking Water Act. Order PEXa compression sleeves separately from fittings. EVERLOC+ polymer fittings and sleeves are manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.



EVERLOC+ PEXa Compression Sleeves						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104815-001	3/8 in. EVERLOC+ PEXa Sleeve	50	600	2.72	0.006	1 bag
104816-001	1/2 in. EVERLOC+ PEXa Sleeve	100	400	3.17	0.007	1 box
104817-001	5/8 in. EVERLOC+ PEXa Sleeve	50	250	5.44	0.012	1 bag
104818-001	3/4 in. EVERLOC+ PEXa Sleeve	50	150	8.62	0.019	1 box
104819-001	1 in. EVERLOC+ PEXa Sleeve	20	80	15.88	0.035	1 box
104820-001	1 1/4 in. EVERLOC+ PEXa Sleeve	10	50	20.41	0.045	1 box
104821-001	1 1/2 in. EVERLOC+ PEXa Sleeve	10	30	24.95	0.055	1 box
104822-001	2 in. EVERLOC+ PEXa Sleeve	5	15	29.48	0.065	1 box



EVERLOC+ Straight Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
317138-001	3/8 x 3/8 in. EVERLOC+ LF Brass Coupling	-	100	19.50	0.04	1 box
104824-001	1/2 x 1/2 in. EVERLOC+ Polymer Coupling	10	100	4.08	0.01	1 bag
317142-001	5/8 x 5/8 in. EVERLOC+ LF Brass Coupling	-	40	48.53	0.11	1 box
104825-001	3/4 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	12.25	0.03	1 bag
104826-001	1 x 1 in. EVERLOC+ Polymer Coupling	10	50	22.23	0.05	1 bag
104827-001	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Coupling	1	10	40.37	0.09	1 bag
104828-001	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Coupling	1	10	71.21	0.16	1 bag
104829-001	2 x 2 in. EVERLOC+ Polymer Coupling	1	10	125.19	0.28	1 bag



EVERLOC+ Reducer Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104830-001	3/4 x 1/2 in. EVERLOC+ Polymer Coupling	10	100	8.62	0.02	1 bag
426294-001	3/4 x 5/8 in. EVERLOC+ LF Brass Coupling	-	20	68.0	0.15	1 box
426297-001	1 x 1/2 in. EVERLOC+ LF Brass Coupling	-	10	90.7	0.20	1 box
104831-001	1 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	17.69	0.04	1 bag
425026-001	1 1/4 x 3/4 in. EVERLOC+ LF Brass Coupling	-	10	151.36	0.33	1 box
104832-001	1 1/4 x 1 in. EVERLOC+ Polymer Coupling	1	10	32.66	0.07	1 bag
425028-001	1 1/2 x 3/4 in. EVERLOC+ LF Brass Coupling	-	6	225.84	0.50	1 box
104833-001	1 1/2 x 1 in. EVERLOC+ Polymer Coupling	1	10	49.90	0.11	1 bag
422233-001	1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	6	304.36	0.67	1 box
425029-001	2 x 1/2 in. EVERLOC+ LF Brass Coupling	-	2	363.01	0.80	1 box
425031-001	2 x 3/4 in. EVERLOC+ LF Brass Coupling	-	2	374.63	0.83	1 box
317139-001	2 x 1 in. EVERLOC+ LF Brass Coupling	-	2	395.59	0.87	1 box
317140-001	2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	2	424.66	0.94	1 box
317141-001	2 x 1 1/2 in. EVERLOC+ LF Brass Coupling	-	2	480.07	1.00	1 box



**EVERLOC+ Straight Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104835-001	1/2 x 1/2 x 1/2 in. EVERLOC+ Polymer Tee	10	50	8.62	0.02	1 bag
104836-001	3/4 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	10	50	23.59	0.05	1 bag
104837-001	1 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	42.64	0.09	1 bag
104838-001	1 1/4 x 1 1/4 x 1 1/4 in. EVERLOC+ Polymer Tee	1	10	78.47	0.17	1 bag
104839-001	1 1/2 x 1 1/2 x 1 1/2 in. EVERLOC+ Polymer Tee	1	5	136.53	0.30	1 bag
104840-001	2 x 2 x 2 in. EVERLOC+ Polymer Tee	1	5	245.85	0.54	1 bag



**EVERLOC+ Run Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104841-001	3/4 x 1/2 x 3/4 in. EVERLOC+ Polymer Tee	10	50	19.50	0.04	1 bag
104842-001	1 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	37.65	0.08	1 bag
317143-001	1 1/4 x 1 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	328.85	0.73	1 box
317144-001	1 1/2 x 1 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	517.09	1.14	1 box
317145-001	1 1/2 x 1 1/4 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	553.38	1.22	1 box
317146-001	2 x 1 1/4 x 2 in. EVERLOC+ LF Brass Tee	-	1	830.07	1.83	1 box
317147-001	2 x 1 1/2 x 2 in. EVERLOC+ LF Brass Tee	-	1	898.11	1.98	1 box



**EVERLOC+ Branch Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104844-001	3/4 x 3/4 x 1/2 in. EVERLOC+ Polymer Tee	10	50	18.14	0.04	1 bag
104846-001	1 x 1 x 1/2 in. EVERLOC+ Polymer Tee	5	25	29.48	0.07	1 bag
104845-001	1 x 1 x 3/4 in. EVERLOC+ Polymer Tee	5	25	35.83	0.08	1 bag
424991-001	1 1/4 x 1 1/4 x 1/2 in. EVERLOC+ LF Brass Tee	-	2	257.30	0.57	1 box
322832-001	1 1/4 x 1 1/4 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	283.60	0.63	1 box
104847-001	1 1/4 x 1 1/4 x 1 in. EVERLOC+ Polymer Tee	1	10	65.77	0.15	1 bag
425024-001	1 1/2 x 1 1/2 x 1/2 in. EVERLOC+ LF Brass Tee	-	2	394.15	0.87	1 box
322833-001	1 1/2 x 1 1/2 x 3/4 in. EVERLOC LF Brass Tee	-	2	424.33	0.94	1 box
104848-001	1 1/2 x 1 1/2 x 1 in. EVERLOC+ Polymer Tee	1	5	102.51	0.23	1 bag
317149-001	1 1/2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	535.24	1.18	1 box
424995-001	2 x 2 x 1/2 in. EVERLOC+ LF Brass Tee	-	1	662.03	1.46	1 box
322834-001	2 x 2 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	696.39	1.54	1 box
104849-001	2 x 2 x 1 in. EVERLOC+ Polymer Tee	1	5	168.74	0.37	1 bag
317150-001	2 x 2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	757.50	1.67	1 box
317151-001	2 x 2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	852.75	1.88	1 box



**EVERLOC+ Branch and Run Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104851-001	3/4 x 1/2 x 1/2 in. EVERLOC+ Polymer Tee	10	50	13.61	0.03	1 bag
104852-001	1 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag
424989-001	1 1/4 x 1 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	244.68	0.54	1 box
104853-001	1 1/4 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	56.25	0.12	1 bag
424992-001	1 1/2 x 1 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	324.03	0.71	1 box
317152-001	1 1/2 x 1 x 1 in. EVERLOC+ LF Brass Tee	-	2	371.04	0.82	1 box
425025-001	1 1/2 x 1 1/4 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	365.16	0.81	1 box
317153-001	1 1/2 x 1 1/4 x 1 in. EVERLOC+ LF Brass Tee	-	2	404.60	0.89	1 box
317154-001	1 1/2 x 1 1/4 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	462.66	1.02	1 box
424994-001	2 x 1 1/2 x 3/4 in. EVERLOC+ LF Brass Tee	-	1	578.65	1.28	1 box1
317156-001	2 x 1 1/2 x 1 in. EVERLOC+ LF Brass Tee	-	1	607.81	1.34	1 box
317161-001	2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	666.78	1.47	1 box
317155-001	2 x 1 1/2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	762.03	1.68	1 box



**EVERLOC+ Bullhead Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104854-001	1/2 x 1/2 x 3/4 in. EVERLOC+ Polymer Tee	10	50	14.06	0.03	1 bag
104855-001	3/4 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag



**EVERLOC+ 90° Elbows, PEX to PEX**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104859-001	1/2 x 1/2 in. EVERLOC+ Polymer Elbow	15	75	6.35	0.01	1 bag
317163-001	5/8 x 5/8 in. EVERLOC+ LF Brass Elbow	-	50	67.13	0.15	1 box
104860-001	3/4 x 3/4 in. EVERLOC+ Polymer Elbow	10	50	17.69	0.04	1 bag
104861-001	1 x 1 in. EVERLOC+ Polymer Elbow	5	30	33.11	0.07	1 bag
104862-001	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Elbow	1	10	60.78	0.13	1 bag
104863-001	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Elbow	1	10	102.97	0.23	1 bag
104864-001	2 x 2 in. EVERLOC+ Polymer Elbow	1	5	187.33	0.41	1 bag



**EVERLOC+ 45° Elbows, PEX to PEX**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
425021-001	1 1/2 x 1 1/2 in. EVERLOC+ LF Brass 45° Elbow	2	364.48	0.80	1 box
425022-001	2 x 2 in. EVERLOC+ LF Brass 45° Elbow	2	642.83	1.42	1 box

**EVERLOC+ 90° Elbows, PEX to Copper**

Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
317164-001	1/2 x 1/2 in. C Male or 3/8 in. C Female EVERLOC+ LF Brass Elbow	50	37.65	0.08	1 box
317165-001	1/2 x 1/2 in. C Female EVERLOC+ LF Brass Elbow	25	66.28	0.15	1 box
317166-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Elbow	25	90.26	0.20	1 box
317167-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Elbow	20	115.21	0.25	1 box

**EVERLOC+ 90° Elbows, PEX to FPT/MPT**

Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
317170-001	1/2 x 1/2 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	20	85.73	0.19	1 box
317168-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Drop Ear Elbow	20	85.73	0.19	1 box
428824-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Elbow	20	70.30	0.15	1 box
422006-001	3/4 x 3/4 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	8	158.76	0.35	1 box
425476-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Drop Ear Elbow	8	129.85	0.29	1 box
317169-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Elbow	10	99.79	0.22	1 box
422007-001	1 x 1 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	5	250.62	0.55	1 box

**EVERLOC+ Adapters, PEX to Copper**

Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
317184-001	1/2 x 1/2 in. C Female EVERLOC+ LF Brass Adapter	35	28.58	0.06	1 box
317185-001	1/2 x 1/2 in. C Male or 3/8 in. C Female EVERLOC+ LF Brass Adapter	75	22.68	0.05	1 box
322835-001	1/2 x 3/4 in. C Female EVERLOC+ LF Brass Adapter	20	44.39	0.06	1 box
325164-001	3/4 x 1/2 in. C Female EVERLOC+ LF Brass Adapter	20	45.30	0.10	1 box
325165-001	3/4 x 1/2 in. C Male EVERLOC+ LF Brass Adapter	20	44.76	0.10	1 box
317189-001	3/4 x 1 in. C Female EVERLOC+ LF Brass Adapter	5	92.99	0.21	1 box
317186-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Adapter	30	69.85	0.15	1 box
317187-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Adapter	20	95.25	0.21	1 box
317190-001	1 x 1 in. C Male EVERLOC+ LF Brass Adapter	15	115.21	0.25	1 box
317191-001	1 x 1 in. C Female EVERLOC+ LF Brass Adapter	15	142.43	0.31	1 box
317192-001	1 1/4 x 1 1/4 in. C Male EVERLOC+ LF Brass Adapter	10	177.81	0.39	1 box
317193-001	1 1/4 x 1 1/4 in. C Female EVERLOC+ LF Brass Adapter	10	215.46	0.48	1 box
317194-001	1 1/2 x 1 1/2 in. C Male EVERLOC+ LF Brass Adapter	5	282.59	0.62	1 box
317195-001	1 1/2 x 1 1/2 in. C Female EVERLOC+ LF Brass Adapter	5	494.42	1.09	1 box
317196-001	2 x 2 in. C Male EVERLOC+ LF Brass Adapter	2	585.13	1.29	1 box
317197-001	2 x 2 in. C Female EVERLOC+ LF Brass Adapter	2	721.21	1.59	1 box



**EVERLOC+ MPT Adapters, PEX to MPT**

Article No.	Description	Box		Unit Weight		Minimum Order
		Quantity		g	lb	
317174-001	3/8 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	40		38.56	0.09	1 box
317171-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	40		44.91	0.10	1 box
317175-001	5/8 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	30		57.15	0.13	1 box
317176-001	5/8 x 3/4 in. MPT or 1/2 in. C Female EVERLOC+ LF Brass Adapter	30		84.82	0.19	1 box
317172-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Adapter	20		76.66	0.17	1 box
317177-001	3/4 x 1 in. MPT EVERLOC+ LF Brass Adapter	20		124.74	0.28	1 box
323708-001	1 x 3/4 in. MPT EVERLOC+ LF Brass Adapter	10		108.47	0.24	1 box
317178-001	1 x 1 in. MPT EVERLOC+ LF Brass Adapter	15		148.32	0.33	1 box
317179-001	1 1/4 x 1 1/4 in. MPT EVERLOC+ LF Brass Adapter	10		246.30	0.54	1 box
317180-001	1 1/2 x 1 1/2 in. MPT EVERLOC+ LF Brass Adapter	5		373.76	0.82	1 box
317181-001	2 x 2 in. MPT EVERLOC+ LF Brass Adapter	2		576.06	1.27	1 box



**EVERLOC+ FPT Adapters, PEX to FPT**

Article No.	Description	Box		Unit Weight		Minimum Order
		Quantity		g	lb	
317173-001	1/2 x 1/2 in. FPT EVERLOC+ LF Brass Adapter	40		51.26	0.11	1 box
317182-001	3/4 x 3/4 in. FPT EVERLOC+ LF Brass Adapter	20		87.54	0.19	1 box
329227-001	1 x 3/4 in. FPT EVERLOC+ LF Brass Adapter	10		116.01	0.26	1 box
317183-001	1 x 1 in. FPT EVERLOC+ LF Brass Adapter	10		143.34	0.32	1 box



**EVERLOC+ Plugs**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104856-001	1/2 in. EVERLOC+ Polymer Plug	30	150	2.27	0.005	1 bag
317157-001	5/8 in. EVERLOC+ LF Brass Plug	-	60	28.94	0.064	1 box
104857-001	3/4 in. EVERLOC+ Polymer Plug	20	100	6.35	0.014	1 bag
104858-001	1 in. EVERLOC+ Polymer Plug	10	50	11.34	0.025	1 bag
317158-001	1 1/4 in. EVERLOC+ LF Brass Plug	-	20	133.57	0.295	1 box
317159-001	1 1/2 in. EVERLOC+ LF Brass Plug	-	20	214.15	0.472	1 box
317160-001	2 in. EVERLOC+ LF Brass Plug	-	10	388.28	0.856	1 box



**EVERLOC+ LF Brass Swivel Adapters , PEX to NPS**

Article No.	Description	Box		Unit Weight		Minimum Order
		Quantity		g	lb	
418463-001	1/2 in. x 1/2 NPS EVERLOC+ LF Brass Female Swivel Adapter	25		58.97	0.13	1 box
418464-001	3/4 in. x 3/4 NPS EVERLOC+ LF Brass Female Swivel Adapter	20		99.79	0.22	1 box

### 3. EVERLOC+ multi-port tees and manifolds



#### EVERLOC+ Polymer Closed-end Multi-port Tees

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
104867-001	3/4 in. Inlet, (3) 1/2 in. Outlets, EVERLOC+ Polymer Closed-end Multi-port Tee	15	25.40	0.056	1 box
104868-001	3/4 in. Inlet, (4) 1/2 in. Outlets, EVERLOC+ Polymer Closed-end Multi-port Tee	15	32.21	0.071	1 box



#### EVERLOC+ Polymer Flow-through Multi-port Tees

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
104869-001	3/4 x 3/4 in. Inlets, (2) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	24.49	0.054	1 box
104870-001	3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	31.29	0.069	1 box
104871-001	3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	37.19	0.082	1 box



#### EVERLOC+ Polymer Elbow Flow-through Multi-port Tees

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
104872-001	3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets, EVERLOC+ Polymer Elbow Flow-through Multi-port Tee	15	35.83	0.079	1 box
104873-001	3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ Polymer Elbow Flow-through Multi-port Tee	15	42.18	0.093	1 box

Copper multi-port tees and manifolds are 1 in. Type L copper with EVERLOC+ LF brass fittings brazed into the header and comply with the lead-free requirements of the U.S. Safe Drinking Water Act.



EVERLOC+ LF Brass Closed-end Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104892-001	1 in. Inlet, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	281.47	0.62	1 box
104893-001	3/4 in. Inlet, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	391.30	0.86	1 box
104894-001	1 in. Inlet, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	392.96	0.87	1 box
108465-001	1 in. Inlet, (8) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	453.59	1.00	1 box
108466-001	1 in. Inlet, (10) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	508.02	1.12	1 box



EVERLOC+ LF Brass Flow-through Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104895-001	1 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	317.89	0.70	1 box
104896-001	1 x 1 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	341.69	0.75	1 box
104897-001	3/4 x 3/4 in. Inlets, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	375.66	0.83	1 box
104898-001	1 x 3/4 in. Inlets, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	402.64	0.89	1 box



EVERLOC+ LF Brass Horizontal Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104899-001	3/4 x 3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Horizontal Multi-port Tee	10	368.07	0.81	1 box



EVERLOC+ LF Brass Cut-to-Length Copper Manifolds					
Article No.	Description	Package Quantity Box	Unit Weight kg	Unit Weight lb	Minimum Order
104902-001	1 in. Header, (24) 1/2 in. Outlets, EVERLOC+ LF Brass Cut-to-Length Manifold	5	2.06	4.54	1 box

# 4. EVERLOC+ compression-sleeve tools



### EVERLOC+ Power Tool Standard Kit

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
105107-003	EVERLOC+ Power Tool Standard Kit (1/2, 3/4 and 1 in.)	1	6.8	15	1

The EVERLOC+ power tool standard kit is specifically designed for assembling 1/2, 3/4 and 1 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ power tool base unit (Art. 105106-003)
- EVERLOC+ expander adapter QC (Art. 105167-001)
- EVERLOC+ expander heads QC: 1/2 in. (Art. 105074-001), 3/4 in. (Art. 105076-001), 1 in. (Art. 105077-001)
- EVERLOC+ compression jaws (set): 1/2 in. (Art. 105084-001), 3/4 in. (Art. 105088-001), 1 in. (Art. 105091-001)
- (2) DeWALT® 12V Li-ion batteries (DCB127)
- DeWALT® 12V/20V Li-ion battery charger, 120VAC (DCB107)
- RAUCUTTER (Art. 137495)
- Tool case (Art. 318135-003)
- Grease (Art. 224989-001) and cleaning brush (Art. 224988-001)
- Operating instructions



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 Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

### EVERLOC+ Expander Heads



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105073-001	3/8 in. EVERLOC+ Expander Head (Quick Change)	1	162	0.36	1 ea
105074-001	1/2 in. EVERLOC+ Expander Head (Quick Change)	1	159	0.35	1 ea
105075-001	5/8 in. EVERLOC+ Expander Head (Quick Change)	1	152	0.34	1 ea
105076-001	3/4 in. EVERLOC+ Expander Head (Quick Change)	1	150	0.33	1 ea
105077-001	1 in. EVERLOC+ Expander Head (Quick Change)	1	181	0.40	1 ea

### EVERLOC+ Compression Jaws



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105083-001	3/8 in. EVERLOC+ Compression Jaws (set)	1 set	251	0.55	1 set
105084-001	1/2 in. EVERLOC+ Compression Jaws (set)	1 set	272	0.60	1 set
105087-001	5/8 in. EVERLOC+ Compression Jaws (set)	1 set	288	0.63	1 set
105088-001	3/4 in. EVERLOC+ Compression Jaws (set)	1 set	295	0.65	1 set
105091-001	1 in. EVERLOC+ Compression Jaws (set)	1 set	386	0.85	1 set



**EVERLOC+ XL Power Tool Standard Kit**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
105733-002	EVERLOC+ XL Power Tool Kit (1 1/4, 1 1/2 and 2 in.)	1	19.5	43	1

The EVERLOC+ XL power tool standard kit is specifically designed for assembling 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ XL power tool base unit (Art. 105994-002)
- EVERLOC+ XL power tool support handle (Art. 105995-001)
- EVERLOC+ XL expander adapter QC (Art. 105744-001)
- EVERLOC+ XL expander heads QC: 1 1/4 in. (Art. 105078-001), 1 1/2 in. (Art. 105079-001), 2 in. (Art. 105080-001)
- EVERLOC+ XL compression jaws (set): 1 1/4 in. (Art. 105094-001), 1 1/2 in. (Art. 105096-001), 2 in. (Art. 105098-001)
- (2) MAKITA® 18V Li-ion batteries (BL1840B)
- MAKITA® 18V Li-ion battery charger, 120VAC (DC18RC)
- Large ratchet cutter (Art. 131558-001)
- Tool case (Art. 321251-001)
- Grease (Art. 224989-001), cleaning brush (Art. 224988-001) and operating instructions

**!** Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

Accessory item sold separately:

- EVERLOC+ XL Power Tool Kit Trolley (Art. 324373-001)



**EVERLOC+ XL Expander Tool Standard Kit**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
106096-002	EVERLOC+ XL Expander Tool Kit (1 1/4, 1 1/2 and 2 in.)	1	5.4	12	1

The EVERLOC+ XL expander tool standard kit is specifically designed for the expansion of 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ XL expander tool base unit (Art. 105419-002)
- MAKITA® 18V Li-ion battery (BL1840B)
- Tool case (Art. 322285-001)
- Grease (Art. 224989-001) and cleaning brush (Art. 224988-001)
- Operating instructions

**!** Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

**EVERLOC+ XL Expander Heads**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
105078-001	1 1/4 in. EVERLOC+ XL Expander Head (Quick Change)	1	590	1.30	1 ea
105079-001	1 1/2 in. EVERLOC+ XL Expander Head (Quick Change)	1	667	1.47	1 ea
105080-001	2 in. EVERLOC+ XL Expander Head (Quick Change)	1	748	1.65	1 ea

**EVERLOC+ XL Compression Jaws**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
105094-001	1 1/4 in. EVERLOC+ XL Compression Jaws (set)	1 set	1134	2.50	1 set
105096-001	1 1/2 in. EVERLOC+ XL Compression Jaws (set)	1 set	1179	2.60	1 set
105098-001	2 in. EVERLOC+ XL Compression Jaws (set)	1 set	1270	2.80	1 set

# 5. EVERLOC+ valves and boxes



### Straight Ball Valves, EVERLOC+ to Copper

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418433-001	1/2 in. EVERLOC+ x 1/2 in. C Female Valve	18		120	0.27	1 box
418429-001	3/4 in. EVERLOC+ x 3/4 in. C Female Valve	8		205	0.45	1 box

Make solder connection before connecting RAUPEX pipe.



### Straight Ball Valves, EVERLOC+ to EVERLOC+

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418435-001	1/2 x 1/2 in. EVERLOC+ Valve	18		136	0.30	1 box
418434-001	3/4 x 3/4 in. EVERLOC+ Valve	8		215	0.47	1 box



### Straight Ball Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418437-001	1/2 in. EVERLOC+ x 3/8 in. Compression Straight Valve, Plated	18		136	0.30	1 box

Includes 3/8 in. compression nut and ferrule.



### Angle Ball Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418438-001	1/2 in. EVERLOC+ x 3/8 in. Compression Angle Valve, Plated	18		136	0.30	1 box

Includes 3/8 in. compression nut and ferrule.



### Dishwasher Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
418428-001	1/2 in. EVERLOC+ x 3/8 in. Compression (Dual) Valve, Plated	1	8	150	0.33	1 box

Includes (2) compression nuts, (2) ferrules, (1) brass plug.



EVERLOC+ Washer Outlet Box						
Article No.	Description	Package Quantity Box	Unit Weight g lb		Minimum Order	
418457-001	1/2 in. EVERLOC+ Washing Machine Outlet Box	12	303.91	0.67	1 box	



EVERLOC+ Ice Maker Box						
Article No.	Description	Package Quantity Box	Unit Weight g lb		Minimum Order	
418454-001	1/2 in. EVERLOC+ Ice Maker Outlet Box	6	151.04	.333	1 box	

## 6. EVERLOC+ copper ells



### Tub/Shower Diverter Ells

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
418664-001	Tub/Shower Diverter Ell, 1/2 in. EVERLOC+	75	132	0.29	1 box



### Closed-end Stub Out Ells

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
418665-001	Stub Out Ell, 1/2 in. EVERLOC+ (8 in. L)	40	140	0.31	1 box
424864-001	Stub Out Ell, 1/2 in. EVERLOC+ w/Mounting Plate (8 in. L)	25	160	0.35	1 box
418668-001	Stub Out Ell, 3/4 in. EVERLOC+ (8 in. L)	20	361	0.79	1 box



### Straight Copper Stubs

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
418669-001	8 in. Straight Copper Stub, 1/2 in. EVERLOC+	50	153	0.34	1 box

## 7. F1960 cold expansion fittings

REHAU F1960 cold expansion fittings and rings are for use with REHAU PEXa pipes only. The maximum temperature and pressure ratings of the REHAU F1960 fitting system is in accordance with ASTM F877 and CSA B137.5 for SDR9 PEX, see REHAU pipe product submittals for ratings. Installation is performed with commercially available F1960 cold expansion tools. Follow all published REHAU Technical Guidelines. All REHAU F1960 fittings and rings comply with the lead-free (LF) requirements of the U.S. Safe Drinking Water Act.



### F1960 PEX Reinforcing Rings

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499701-001	F1960 PEX Reinforcing Ring, 3/8 in.	50	2.10	0.005	1 package
499702-001	F1960 PEX Reinforcing Ring, 1/2 in.	250	2.27	0.005	1 package
499703-001	F1960 PEX Reinforcing Ring, 5/8 in.	50	4.30	0.009	1 package
499704-001	F1960 PEX Reinforcing Ring, 3/4 in.	100	4.54	0.010	1 package
499705-001	F1960 PEX Reinforcing Ring, 1 in.	50	9.07	0.020	1 package
499706-001	F1960 PEX Reinforcing Ring, 1 1/4 in.	10	14.00	0.031	1 package
499707-001	F1960 PEX Reinforcing Ring, 1 1/2 in.	10	19.30	0.043	1 package
499708-001	F1960 PEX Reinforcing Ring, 2 in.	10	52.90	0.117	1 package



### F1960 Straight Couplings

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499716-001	F1960 LF Brass Coupling, 3/8 x 3/8 in.	50	17.20	0.038	1 package
499709-001	F1960 Polymer Coupling, 1/2 x 1/2 in.	50	4.54	0.010	1 package
499713-001	F1960 LF Brass Coupling, 5/8 x 5/8 in.	25	43.20	0.095	1 package
499710-001	F1960 Polymer Coupling, 3/4 x 3/4 in.	25	9.07	0.020	1 package
499711-001	F1960 Polymer Coupling, 1 x 1 in.	10	15.88	0.035	1 package
499712-001	F1960 Polymer Coupling, 1 1/4 x 1 1/4 in.	5	29.90	0.066	1 package
499714-001	F1960 Polymer Coupling, 1 1/2 x 1 1/2 in.	5	43.30	0.095	1 package
499715-001	F1960 Polymer Coupling, 2 x 2 in.	5	104.70	0.231	1 package



### F1960 Reducer Couplings

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499717-001	F1960 Polymer Coupling, 3/4 x 1/2 in.	25	9.07	0.020	1 package
490319-001	F1960 Polymer Coupling, 1 x 1/2 in.	25	13.61	0.030	1 package
499718-001	F1960 Polymer Coupling, 1 x 3/4 in.	20	13.61	0.030	1 package
499721-001	F1960 Polymer Coupling, 1 1/4 x 3/4 in.	10	22.80	0.050	1 package
499719-001	F1960 Polymer Coupling, 1 1/4 x 1 in.	10	25.10	0.055	1 package
499723-001	F1960 Polymer Coupling, 1 1/2 x 1 1/4 in.	5	39.40	0.087	1 package
499724-001	F1960 Polymer Coupling, 2 x 1 1/2 in.	5	82.10	0.181	1 package

**F1960 Straight Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499728-001	F1960 Polymer Tee, 1/2 x 1/2 x 1/2 in.	50	9.07	0.020	1 package
499843-001	F1960 LF Brass Tee, 5/8 x 5/8 x 5/8 in.	25	137.60	0.303	1 package
499729-001	F1960 Polymer Tee, 3/4 x 3/4 x 3/4 in.	25	15.88	0.035	1 package
499730-001	F1960 Polymer Tee, 1 x 1 x 1 in.	10	31.75	0.070	1 package
499731-001	F1960 Polymer Tee, 1 1/4 x 1 1/4 x 1 1/4 in.	5	56.70	0.125	1 package
499732-001	F1960 Polymer Tee, 1 1/2 x 1 1/2 x 1 1/2 in.	5	76.60	0.169	1 package
499733-001	F1960 Polymer Tee, 2 x 2 x 2 in.	2	202.50	0.446	1 package

**F1960 Run Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499734-001	F1960 Polymer Tee, 3/4 x 1/2 x 3/4 in.	25	15.88	0.035	1 package
499844-001	F1960 Polymer Tee, 3/4 x 5/8 x 3/4 in.	10	16.90	0.037	1 package
499845-001	F1960 Polymer Tee, 1 x 1/2 x 1 in.	10	27.80	0.061	1 package
499735-001	F1960 Polymer Tee, 1 x 3/4 x 1 in.	10	29.48	0.065	1 package
499846-001	F1960 Polymer Tee, 1 1/4 x 3/4 x 1 1/4 in.	5	48.60	0.107	1 package
499736-001	F1960 Polymer Tee, 1 1/4 x 1 x 1 1/4 in.	5	51.40	0.113	1 package
499847-001	F1960 Polymer Tee, 1 1/2 x 3/4 x 1 1/2 in.	5	64.10	0.141	1 package
499737-001	F1960 Polymer Tee, 1 1/2 x 1 x 1 1/2 in.	5	67.40	0.148	1 package
499848-001	F1960 Polymer Tee, 1 1/2 x 1 1/4 x 1 1/2 in.	5	72.40	0.159	1 package
499849-001	F1960 Polymer Tee, 2 x 1 x 2 in.	2	170.10	0.375	1 package
499850-001	F1960 Polymer Tee, 2 x 1 1/4 x 2 in.	2	172.40	0.380	1 package
499738-001	F1960 Polymer Tee, 2 x 1 1/2 x 2 in.	2	177.10	0.390	1 package

**F1960 Branch Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499739-001	F1960 Polymer Tee, 3/4 x 3/4 x 1/2 in.	25	13.61	0.030	1 package
499741-001	F1960 Polymer Tee, 1 x 1 x 1/2 in.	10	13.61	0.030	1 package
499740-001	F1960 Polymer Tee, 1 x 1 x 3/4 in.	10	24.95	0.555	1 package
499744-001	F1960 Polymer Tee, 1 1/4 x 1 1/4 x 1/2 in.	5	44.60	0.098	1 package
499743-001	F1960 Polymer Tee, 1 1/4 x 1 1/4 x 3/4 in.	5	47.00	0.104	1 package
499742-001	F1960 Polymer Tee, 1 1/4 x 1 1/4 x 1 in.	5	50.40	0.111	1 package
499753-001	F1960 Polymer Tee, 1 1/2 x 1 1/2 x 3/4 in.	5	62.30	0.137	1 package
499746-001	F1960 Polymer Tee, 1 1/2 x 1 1/2 x 1 in.	5	65.90	0.145	1 package
499747-001	F1960 Polymer Tee, 1 1/2 x 1 1/2 x 1 1/4 in.	5	72.70	0.160	1 package
499752-001	F1960 Polymer Tee, 2 x 2 x 1 in.	2	153.50	0.336	1 package
499748-001	F1960 Polymer Tee, 2 x 2 x 1 1/4 in.	2	158.90	0.350	1 package
499749-001	F1960 Polymer Tee, 2 x 2 x 1 1/2 in.	2	163.20	0.359	1 package



**F1960 Branch and Run Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499754-001	F1960 Polymer Tee, 3/4 x 1/2 x 1/2 in.	25	11.34	0.025	1 package
499851-001	F1960 Polymer Tee, 1 x 3/4 x 1/2 in.	10	23.60	0.052	1 package
499755-001	F1960 Polymer Tee, 1 x 3/4 x 3/4 in.	10	22.68	0.050	1 package



**F1960 Bullhead Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499767-001	F1960 Polymer Tee, 1/2 x 1/2 x 3/4 in.	25	11.34	0.025	1 package
499768-001	F1960 Polymer Tee, 3/4 x 3/4 x 1 in.	10	26.31	0.058	1 package



**F1960 Plugs**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499854-001	F1960 LF Brass Plug, 3/8 in.	50	11.50	0.025	1 package
499769-001	F1960 Polymer Plug, 1/2 in.	50	2.27	0.005	1 package
499771-001	F1960 Polymer Plug, 3/4 in.	25	6.80	0.015	1 package
499772-001	F1960 Polymer Plug, 1 in.	10	11.34	0.025	1 package
499773-001	F1960 Polymer Plug, 1 1/4 in.	5	19.60	0.043	1 package
499774-001	F1960 Polymer Plug, 1 1/2 in.	5	30.10	0.066	1 package
499775-001	F1960 Polymer Plug, 2 in.	5	69.00	0.152	1 package



**F1960 Elbows, PEX to PEX**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499776-001	F1960 Polymer Elbow, 1/2 x 1/2 in.	50	6.80	0.015	1 package
499856-001	F1960 LF Brass Elbow, 5/8 x 5/8 in.	25	118.20	0.260	1 package
490318-001	F1960 Polymer Elbow, 3/4 x 1/2 in.	25	11.79	0.026	1 package
499777-001	F1960 Polymer Elbow, 3/4 x 3/4 in.	25	11.34	0.025	1 package
499778-001	F1960 Polymer Elbow, 1 x 1 in.	10	22.68	0.050	1 package
499779-001	F1960 Polymer Elbow, 1 1/4 x 1 1/4 in.	5	42.40	0.093	1 package
499780-001	F1960 Polymer Elbow, 1 1/2 x 1 1/2 in.	5	53.50	0.118	1 package
499781-001	F1960 Polymer Elbow, 2 x 2 in.	5	151.10	0.333	1 package

**F1960 Elbows, PEX to Copper**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499857-001	F1960 LF Brass Elbow, 5/8 x 3/4 in. C Male	25	95.60	0.211	1 package
499858-001	F1960 LF Brass Elbow, 5/8 x 3/4 in. C Female	25	138.70	0.306	1 package
499784-001	F1960 LF Brass Elbow, 3/4 x 3/4 in. C Male	25	95.25	0.210	1 package
499785-001	F1960 LF Brass Elbow, 3/4 x 3/4 in. C Female	25	113.81	0.295	1 package

**F1960 Elbows, PEX to FPT/MPT**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499786-001	F1960 LF Brass Elbow, 1/2 x 1/2 in. MPT	50	115.0	0.254	1 package
499789-001	F1960 LF Brass Drop Ear Elbow, 1/2 x 1/2 in. FPT	25	113.4	0.250	1 package
499787-001	F1960 LF Brass Drop Ear Elbow, 3/4 x 3/4 in. FPT	10	213.19	0.470	1 package

**F1960 Adapters, PEX to FPT**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499821-001	F1960 LF Brass Adapter, 1/2 x 1/2 in. FPT	50	58.97	0.130	1 package
499819-001	F1960 LF Brass Adapter, 1/2 x 3/4 in. FPT	25	86.18	0.190	1 package
499822-001	F1960 LF Brass Adapter, 3/4 x 3/4 in. FPT	50	86.18	0.190	1 package
499820-001	F1960 LF Brass Adapter, 3/4 x 1 in. FPT	25	170.10	0.375	1 package
499823-001	F1960 LF Brass Adapter, 1 x 1 in. FPT	25	185.97	0.410	1 package
499863-001	F1960 LF Brass Adapter, 1 1/4 x 1 1/4 in. FPT	5	248.70	0.548	1 package
499864-001	F1960 LF Brass Adapter, 1 1/2 x 1 1/2 in. FPT	5	367.30	0.809	1 package
499866-001	F1960 LF Brass Adapter, 2 x 2 in. FPT	5	743.90	1.639	1 package

**F1960 Adapters, PEX to MPT**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499807-001	F1960 LF Brass Adapter, 1/2 x 1/2 in. MPT	100	52.16	0.115	1 package
499810-001	F1960 LF Brass Adapter, 1/2 x 3/4 in. MPT	25	81.65	0.180	1 package
499808-001	F1960 LF Brass Adapter, 3/4 x 3/4 in. MPT	25	86.18	0.190	1 package
499814-001	F1960 LF Brass Adapter, 3/4 x 1 in. MPT	25	147.72	0.325	1 package
499809-001	F1960 LF Brass Adapter, 1 x 3/4 in. MPT	25	99.79	0.220	1 package
499815-001	F1960 LF Brass Adapter, 1 x 1 in. MPT	25	179.17	0.395	1 package
499816-001	F1960 LF Brass Adapter, 1 1/4 x 1 1/4 in. MPT	5	294.10	0.348	1 package
499817-001	F1960 LF Brass Adapter, 1 1/2 x 1 1/2 in. MPT	5	392.30	0.864	1 package
499818-001	F1960 LF Brass Adapter, 2 x 2 in. MPT	5	614.60	1.354	1 package





<b>F1960 Adapters, PEX to Copper</b>					
<b>Article No.</b>	<b>Description</b>	<b>Package Quantity</b>	<b>Unit Weight</b>		<b>Minimum Order</b>
			<b>g</b>	<b>lb</b>	
499860-001	F1960 LF Brass Adapter, 3/8 x 1/2 in. C Female	50	22.70	0.500	1 package
499859-001	F1960 LF Brass Adapter, 3/8 x 1/2 in. C Male	50	15.70	0.035	1 package
499794-001	F1960 LF Brass Adapter, 1/2 x 1/2 in. C Female	100	29.48	0.065	1 package
499795-001	F1960 LF Brass Adapter, 1/2 x 1/2 in. C Male	100	22.68	0.050	1 package
499793-001	F1960 LF Brass Adapter, 1/2 x 3/4 in. C Female	50	43.09	0.095	1 package
499790-001	F1960 LF Brass Adapter, 1/2 x 3/4 in. C Male	50	38.46	0.085	1 package
499862-001	F1960 LF Brass Adapter, 5/8 x 3/4 in. C Female	50	62.30	0.137	1 package
499861-001	F1960 LF Brass Adapter, 5/8 x 3/4 in. C Male	50	41.00	0.900	1 package
499792-001	F1960 LF Brass Adapter, 3/4 x 1/2 in. C Male	50	43.09	0.095	1 package
499797-001	F1960 LF Brass Adapter, 3/4 x 3/4 in. C Female	50	65.77	0.145	1 package
499796-001	F1960 LF Brass Adapter, 3/4 x 3/4 in. C Male	50	47.63	0.015	1 package
499798-001	F1960 LF Brass Adapter, 3/4 x 1 in. C Female	25	90.72	0.200	1 package
499791-001	F1960 LF Brass Adapter, 3/4 x 1 in. C Male	25	61.23	0.135	1 package
499800-001	F1960 LF Brass Adapter, 1 x 1 in. C Female	25	108.86	0.240	1 package
499799-001	F1960 LF Brass Adapter, 1 x 1 in. C Male	25	88.45	0.195	1 package
499802-001	F1960 LF Brass Adapter, 1 1/4 x 1 1/4 in. C Female	5	169.10	0.372	1 package
499801-001	F1960 LF Brass Adapter, 1 1/4 x 1 1/4 in. C Male	5	132.10	0.291	1 package
499804-001	F1960 LF Brass Adapter, 1 1/2 x 1 1/2 in. C Female	5	215.20	0.474	1 package
499803-001	F1960 LF Brass Adapter, 1 1/2 x 1 1/2 in. C Male	5	188.10	0.414	1 package
499806-001	F1960 LF Brass Adapter, 2 x 2 in. C Female	5	451.60	0.995	1 package
499805-001	F1960 LF Brass Adapter, 2 x 2 in. C Male	5	462.30	1.108	1 package

## 8. F1960 Multi-port tees


**F1960 Polymer Closed-End Multi-port Tees**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499826-001	F1960 Polymer Closed-end Multi-port Tee, 3/4 in. Inlet, (3) 1/2 in. Outlets	10	35.6	0.078	1 package
499827-001	F1960 Polymer Closed-end Multi-port Tee, 3/4 in. Inlet, (4) 1/2 in. Outlets	10	44.4	0.095	1 package
499828-001	F1960 Polymer Closed-end Multi-port Tee, 3/4 in. Inlet, (6) 1/2 in. Outlets	10	69.8	0.154	1 package
499829-001	F1960 Polymer Closed-end Multi-port Tee, 1 in. Inlet, (4) 1/2 in. Outlets	10	61.9	0.136	1 package
499830-001	F1960 Polymer Closed-end Multi-port Tee, 1 in. Inlet, (6) 1/2 in. Outlets	10	83.5	0.184	1 package


**F1960 Polymer Flow-through Multi-port Tees**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499831-001	F1960 Polymer Flow-through Multi-port Tee, 3/4 x 3/4 in. Inlets, (2) 1/2 in. Outlets	10	25.9	0.057	1 package
499832-001	F1960 Polymer Flow-through Multi-port Tee, 3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets	10	38.2	0.084	1 package
499833-001	F1960 Polymer Flow-through Multi-port Tee, 3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets	10	45.4	0.100	1 package
499834-001	F1960 Polymer Flow-through Multi-port Tee, 3/4 x 3/4 in. Inlets, (6) 1/2 in. Outlets	10	67.6	0.149	1 package
499840-001	F1960 Polymer Flow-through Multi-port Tee, 1 x 1 in. Inlets, (4) 1/2 in. Outlets	10	58.7	0.129	1 package
499841-001	F1960 Polymer Flow-through Multi-port Tee, 1 x 1 in. Inlets, (6) 1/2 in. Outlets	10	87.3	0.192	1 package


**1960 Polymer Flow-through Opposing Port Tees**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499867-001	F1960 Polymer Flow-through Opposing Port Tee, 3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets	10	30.8	0.068	1 package
499868-001	F1960 Polymer Flow-through Opposing Port Tee, 3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets	10	32.5	0.072	1 package
499869-001	F1960 Polymer Flow-through Opposing Port Tee, 3/4 x 3/4 in. Inlets, (6) 1/2 in. Outlets	10	44.8	0.099	1 package

# 9. Pipe supports and protection



Steel Support Bends						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
258408	3/8 and 1/2 in. Steel Support Bend 90°	10	50	50	0.10	1 box
257249	3/4 in. Steel Support Bend 90°	10	50	150	0.32	1 box
268634-001*	3/4 in. Steel Support Bend 45°	10	50	150	0.32	1 box
261153	1 in. Steel Support Bend 90°	5	50	380	0.84	1 box

\* This item is not stocked. Lead times may vary.



Steel Support Bends With Mounting Plate					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
266597	1/2 in. Steel Support Bend w/ Mounting Plate	25	69	0.15	1 box



Polymer Support Bends With Screw Hole					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
266207	3/8 and 1/2 in. Polymer Support Bend	50	40	0.08	1 box
266227	3/4 in. Polymer Support Bend	50	70	0.16	1 box
266237	1 in. Polymer Support Bend	50	100	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50	200	0.44	1 box



PVC Bend Guides					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
266170-001	3/8 and 1/2 in. PVC Bend Guide	40	64	0.14	1 box
266175-001	5/8 and 3/4 in. PVC Bend Guide	30	142	0.31	1 box
266180	1 in. Schedule 40 PVC Bend Guide	20	378	0.83	1 box

**Galvanized Support Channels**



Article No.	Description	Length		Package Quantity	Unit Weight		Minimum Order
		m	ft		kg	lb	
225527-001	3/4 in. Steel Support Channel	5.986	19.63	10 pcs/bundle	2.14	4.71	1 bundle
225537-002	1 in. Steel Support Channel	5.956	19.53	10 pcs/bundle	3.27	7.19	1 bundle
225547-002	1 1/4 in. Steel Support Channel	5.942	19.49	8 pcs/bundle	3.91	8.60	1 bundle
225557-002	1 1/2 in. Steel Support Channel	5.926	19.45	6 pcs/bundle	5.59	12.30	1 bundle
225567-002	2 in. Steel Support Channel	5.896	19.33	4 pcs/bundle	6.95	15.29	1 bundle

**PE Protection Sleeves**



Article No.	Description	Hole Size	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
236107	Protection Sleeve for 3/8 and 1/2 in. Pipe	1 in.	100 ft (30.4 m) coil	1.4	3.1	1 coil
236117	Protection Sleeve for 5/8 and 3/4 in. Pipe	1 1/4 in.	50 ft (15.2 m) coil	1.1	2.4	1 coil
236127	Protection Sleeve for 1 in. Pipe	1 1/2 in.	50 ft (15.2 m) coil	1.7	3.6	1 coil
236137*	Protection Sleeve for 1 1/4 in. Pipe	2 in.	150 ft (45.7 m) coil	6.1	13.4	1 coil
236147*	Protection Sleeve for 1 1/2 in. Pipe	2 1/2 in.	100 ft (30.4 m) coil	7.8	17.2	1 coil
236157*	Protection Sleeve for 2 in. Pipe	3 in.	100 ft (30.4 m) coil	8.7	19.2	1 coil

+ This item is not stocked. Lead times may vary.  
Most sizes are slit for easier installation.

**Protection Tape**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
246869-001	Protective Tape, Red	3 rolls/box	284	.626	1 box

Protective tape for wrapping EVERLOC+ joints when used with polyurethane foam insulation kits.  
Tape dimensions: 2 in. wide x 100 ft long (50 mm x 30 m)

**Rubber Tape**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
241002	Linerless Rubber Tape, Black	1	279	.616	1 roll

Scotch® 2242 linerless, self-bonding, waterproof, Ethylene Propylene Rubber (EPR) tape for wrapping of EVERLOC+ joints.  
Tape dimensions: 2 in. wide x 15 ft. long (50 mm x 4.57 m).

# 10. Pipe fasteners



### Nylon Pipe Ties

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
724448	Nylon Pipe Ties	1000 pcs/bag	1.43	0.0003	1 bag

Ties are 8 in. long and rated at 50 lbs tensile strength.



### Locking Clips

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
261496*	3/8 in. Locking Clips	100/bag	4	0.01	1 bag
261556	1/2 in. Locking Clips	100/bag	5	0.01	1 bag
261516	3/4 in. Locking Clips	100/bag	7	0.02	1 bag
261566	1 in. Locking Clips	50/bag	12	0.03	1 bag
261576	1 1/4 in. Locking Clips	50/bag	12	0.03	1 bag
261586	1 1/2 in. Locking Clips	25/bag	18	0.04	1 bag
261596	2 in. Locking Clips	25/bag	30	0.07	1 bag

\* This item is not stocked. Lead times may vary. Minimum order quantities may vary.



### Talon Drive Hooks

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
260866	Twin Talon Drive Hooks	100/bag		6	0.01	1 bag
260846*	Low Profile 3/8 in. Talons	100/bag		4	0.01	1 bag
261766	Low Profile 1/2 in. Talons	100/bag		4	0.01	1 bag
261776	Low Profile 5/8 and 3/4 in. Talons	50/bag		6	0.01	1 bag
261806	Low Profile 1 in. Talons	50/bag		10	0.02	1 bag

\* This item is not stocked. Lead times may vary. Minimum order quantities may vary.



### Single Nail Clamps

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
261746	Single Nail Clamp for 3/8 and 1/2 in. Pipe	100	1500	4	0.01	1 bag
261756*	Single Nail Clamp for 3/4 in. Pipe	100	1000	5	0.01	1 bag

\* This item is not stocked. Lead times may vary. Minimum order quantities may vary.

### Plastic Pipe Clamps



Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282401+	1 1/4 in. Plastic Pipe Clamp	50	800	16	0.04	1 bag
282411+	1 1/2 in. Plastic Pipe Clamp	25	600	20	0.05	1 bag
282421+	2 in. Plastic Pipe Clamp	25	300	32	0.07	1 bag

+ This item is not stocked. Lead times may vary. Minimum order quantities may vary.

**Isolating Suspension Clamps**



Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282431+	1 1/4 in. Isolating Suspension Clamp	50	800	15	0.03	1 bag
282441+	1 1/2 in. Isolating Suspension Clamp	25	600	28	0.04	1 bag
282451+	2 in. Isolating Suspension Clamp	25	300	23	0.05	1 bag

+ This item is not stocked. Lead times may vary. Minimum order quantities may vary.

# 11. Pipe installation tools



### RAUPEX Horizontal Uncoilers

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Uncoiler is capable of holding RAUPEX coils up to 1 in. diameter.



### Turntable Uncoilers

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
424865-001	Turntable Uncoiler	1	40.4	89.0	1

Uncoiler has adjustable I.D. to fit multiple sizes of PEXa up to 1,000 ft of 3/4 in. Turntable rotates from horizontal to vertical to fit through doorways and allow for easy jobsite mobility. Assembly required.



### RAUPEX Cutters

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER for up to 1 in. RAUPEX	1	0.17	0.38	1
315242-001	Ratchet Cutter for up to 1 1/2 in. RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 2 in. RAUPEX	1	1.09	2.41	1

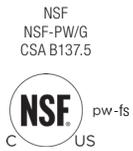


## 2. FIREPEX+<sup>®</sup> Residential Fire Sprinkler System

Product Catalog

# Contents

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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit [na.rehau.com/resourcecenter](http://na.rehau.com/resourcecenter)

# 1. RAUPEX UV shield pipe

RAUPEX UV shield pipe is manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUPEX UV shield pipe has a co-extruded PE shield that protects the pipe against ultraviolet light (sunlight) for one year. All RAUPEX UV shield pipe meets or exceeds the requirements of ASTM F876, CSA B137.5 and PPI TR-3 and is certified to NSF Standards 14/61. RAUPEX UV shield pipe is manufactured in the USA by REHAU in a plant using a quality management system that is certified to ISO 9001.

RAUPEX White UV Shield pipes in the sizes below are listed for use in residential fire sprinkler systems in accordance with UL 1821. RAUPEX Red and Blue UV Shield pipes are not certified for fire sprinkler systems. RAUPEX pipes may not be used for fire sprinkler applications other than those defined in NFPA 13D or IRC P2904. RAUPEX white UV shield pipe for residential fire sprinkler applications is listed for use with FIREPEX compression-sleeve fittings and the EVERLOC+ compression-sleeve fitting system.



## 3/4 in. RAUPEX White UV Shield Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235371-113	3/4 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-313	3/4 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-513	3/4 in. RAUPEX White UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-013	3/4 in. RAUPEX White UV Shield Pipe, 1000 ft coil (304.8 m)	1000 ft	48.9	108.0	1 coil
235371-153	3/4 in. RAUPEX White UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

## 1 in. RAUPEX White UV Shield Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235381-113	1 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-313	1 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-513	1 in. RAUPEX White UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

## 1 1/4 in. RAUPEX White UV Shield Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
132571-113	1 1/4 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	11.4	25.0	1 coil
132571-313	1 1/4 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	34.2	75.0	1 coil

1 1/2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
132581-113	1 1/2 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	16.0	35.0	1 coil
132581-313	1 1/2 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	48.0	105.0	1 coil

2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
132591-113	2 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	27.4	60.0	1 coil
132591-313	2 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	82.2	180.0	1 coil



20 ft Straight Lengths RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity Bag	Unit Weight		Minimum Order
			kg	lb	
235371-023	3/4 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-023	1 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag
132571-023	1 1/4 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	2.3	5.0	1 bag
132581-023	1 1/2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	3.2	7.0	1 bag
132591-023	2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	5.5	12.0	1 bag

Straight lengths are packaged in a single outer bag.

## 2. FIREPEX® compression-sleeve fittings

The FIREPEX residential fire sprinkler system serves the requirements for fire sprinkler systems as defined by National Fire Protection Association (NFPA) Standard 13D Installation of Sprinkler Systems in One- and Two- Family Dwellings and Manufactured Home and the International Residential Code Section P2904

EVERLOC+ compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with EVERLOC+ compression-sleeve tools. Follow all published REHAU Technical Guidelines. EVERLOC+ polymer fittings are produced from a polyphenylsulfone (PPSU) material. EVERLOC+ LF brass fittings are produced from ECO Brass® (UNS C69300 or CW724R). EVERLOC+ compression sleeves are produced using a specially formulated PEXa material and are designed specifically for use with EVERLOC+ fittings. All EVERLOC+ fittings and sleeves comply with the lead-free requirements of the U.S. Safe Drinking Water Act. Order PEXa compression sleeves separately from fittings. EVERLOC+ polymer fittings and sleeves are manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

EVERLOC+ fittings listed below are certified by NSF International for use in potable water applications in accordance with NSF/ANSI 14/61, as well as FIREPEX residential fire sprinkler systems in accordance with UL 1821.



**FIREPEX Tees (PEX to FPT)**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
421744-001	3/4 x 3/4 x 1/2 in. FPT EVERLOC+ LF Brass FIREPEX Tee	5	195.45	0.43	1 box
421878-001	1 x 1 x 1/2 in. FPT EVERLOC+ LF Brass FIREPEX Tee	3	255.23	0.56	1 box



**FIREPEX Elbows (PEX to FPT)**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
422004-001	3/4 x 1/2 in. FPT EVERLOC+ LF Brass FIREPEX Elbow	5	154.76	0.34	1 box
422005-001	1 x 1/2 in. FPT EVERLOC+ LF Brass FIREPEX Elbow	5	141.42	0.31	1 box

### 3. EVERLOC+ compression-sleeve fittings

EVERLOC+ compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with EVERLOC+ compression-sleeve tools. Follow all published REHAU Technical Guidelines. EVERLOC+ polymer fittings are produced from a polyphenylsulfone (PPSU) material. EVERLOC+ LF brass fittings are produced from ECO Brass® (UNS C69300 or CW724R). EVERLOC+ compression sleeves are produced using a specially formulated PEXa material and are designed specifically for use with EVERLOC+ fittings. All EVERLOC+ fittings and sleeves comply with the lead-free requirements of the U.S. Safe Drinking Water Act. Order PEXa compression sleeves separately from fittings. EVERLOC+ polymer fittings and sleeves are manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

EVERLOC+ fittings in the sizes and configurations listed below are certified by NSF International for use in potable water applications in accordance with NSF/ANSI 14/61, as well as FIREPEX residential fire sprinkler systems in accordance with UL 1821.



EVERLOC+ PEXa Compression Sleeves							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104818-001	3/4 in. EVERLOC+ PEXa Sleeve	50	150	8.62	0.019	1 box	
104819-001	1 in. EVERLOC+ PEXa Sleeve	20	80	15.88	0.035	1 box	
104820-001	1 1/4 in. EVERLOC+ PEXa Sleeve	10	50	20.41	0.045	1 box	
104821-001	1 1/2 in. EVERLOC+ PEXa Sleeve	10	30	24.95	0.055	1 box	
104822-001	2 in. EVERLOC+ PEXa Sleeve	5	15	29.48	0.065	1 box	



EVERLOC+ Straight Couplings							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104825-001	3/4 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	12.25	0.03	1 bag	
104826-001	1 x 1 in. EVERLOC+ Polymer Coupling	10	50	22.23	0.05	1 bag	
104827-001	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Coupling	1	10	40.37	0.09	1 bag	
104828-001	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Coupling	1	10	71.21	0.16	1 bag	
104829-001	2 x 2 in. EVERLOC+ Polymer Coupling	1	10	125.19	0.28	1 bag	



EVERLOC+ Reducer Couplings							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104831-001	1 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	17.69	0.04	1 bag	
425026-001	1 1/4 x 3/4 in. EVERLOC+ LF Brass Coupling	-	10	151.36	0.33	1 box	
104832-001	1 1/4 x 1 in. EVERLOC+ Polymer Coupling	1	10	32.66	0.07	1 bag	
425028-001	1 1/2 x 3/4 in. EVERLOC+ LF Brass Coupling	-	6	225.84	0.50	1 box	
104833-001	1 1/2 x 1 in. EVERLOC+ Polymer Coupling	1	10	49.90	0.11	1 bag	
422233-001	1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	6	304.36	0.67	1 box	
425031-001	2 x 3/4 in. EVERLOC+ LF Brass Coupling	-	2	374.63	0.83	1 box	
317139-001	2 x 1 in. EVERLOC+ LF Brass Coupling	-	2	395.59	0.87	1 box	
317140-001	2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	2	424.66	0.94	1 box	
317141-001	2 x 1 1/2 in. EVERLOC+ LF Brass Coupling	-	2	480.07	1.00	1 box	



EVERLOC+ Straight Tees (A x B x C)							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104836-001	3/4 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	10	50	23.59	0.05	1 bag	
104837-001	1 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	42.64	0.09	1 bag	
104838-001	1 1/4 x 1 1/4 x 1 1/4 in. EVERLOC+ Polymer Tee	1	10	78.47	0.17	1 bag	
104839-001	1 1/2 x 1 1/2 x 1 1/2 in. EVERLOC+ Polymer Tee	1	5	136.53	0.30	1 bag	
104840-001	2 x 2 x 2 in. EVERLOC+ Polymer Tee	1	5	245.85	0.54	1 bag	



EVERLOC+ Run Reducing Tees (A x B x C)							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104842-001	1 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	37.65	0.08	1 bag	
317143-001	1 1/4 x 1 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	328.85	0.73	1 box	
317144-001	1 1/2 x 1 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	517.09	1.14	1 box	
317145-001	1 1/2 x 1 1/4 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	553.38	1.22	1 box	
317146-001	2 x 1 1/4 x 2 in. EVERLOC+ LF Brass Tee	-	1	830.07	1.83	1 box	
317147-001	2 x 1 1/2 x 2 in. EVERLOC+ LF Brass Tee	-	1	898.11	1.98	1 box	



EVERLOC+ Branch Reducing Tees (A x B x C)							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104845-001	1 x 1 x 3/4 in. EVERLOC+ Polymer Tee	5	25	35.83	0.08	1 bag	
322832-001	1 1/4 x 1 1/4 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	283.60	0.63	1 box	
104847-001	1 1/4 x 1 1/4 x 1 in. EVERLOC+ Polymer Tee	1	10	65.77	0.15	1 bag	
322833-001	1 1/2 x 1 1/2 x 3/4 in. EVERLOC LF Brass Tee	-	2	424.33	0.94	1 box	
104848-001	1 1/2 x 1 1/2 x 1 in. EVERLOC+ Polymer Tee	1	5	102.51	0.23	1 bag	
317149-001	1 1/2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	535.24	1.18	1 box	
322834-001	2 x 2 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	696.39	1.54	1 box	
104849-001	2 x 2 x 1 in. EVERLOC+ Polymer Tee	1	5	168.74	0.37	1 bag	
317150-001	2 x 2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	757.50	1.67	1 box	
317151-001	2 x 2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	852.75	1.88	1 box	



EVERLOC+ Branch and Run Reducing Tees (A x B x C)							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104852-001	1 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag	
424989-001	1 1/4 x 1 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	244.68	0.54	1 box	
104853-001	1 1/4 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	56.25	0.12	1 bag	
424992-001	1 1/2 x 1 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	324.03	0.71	1 box	
317152-001	1 1/2 x 1 x 1 in. EVERLOC+ LF Brass Tee	-	2	371.04	0.82	1 box	
425025-001	1 1/2 x 1 1/4 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	365.16	0.81	1 box	
317153-001	1 1/2 x 1 1/4 x 1 in. EVERLOC+ LF Brass Tee	-	2	404.60	0.89	1 box	
317154-001	1 1/2 x 1 1/4 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	462.66	1.02	1 box	
424994-001	2 x 1 1/2 x 3/4 in. EVERLOC+ LF Brass Tee	-	1	578.65	1.28	1 box1	
317156-001	2 x 1 1/2 x 1 in. EVERLOC+ LF Brass Tee	-	1	607.81	1.34	1 box	
317161-001	2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	666.78	1.47	1 box	
317155-001	2 x 1 1/2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	762.03	1.68	1 box	



EVERLOC+ Bullhead Tees (A x B x C)						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104855-001	3/4 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag



EVERLOC+ Elbows, PEX to PEX						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104860-001	3/4 x 3/4 in. EVERLOC+ Polymer Elbow	10	50	17.69	0.04	1 bag
104861-001	1 x 1 in. EVERLOC+ Polymer Elbow	5	30	33.11	0.07	1 bag
104862-001	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Elbow	1	10	60.78	0.13	1 bag
104863-001	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Elbow	1	10	102.97	0.23	1 bag
425021-001	1 1/2 x 1 1/2 in. EVERLOC+ LF Brass 45° Elbow	-	2	364.48	0.80	1 box
104864-001	2 x 2 in. EVERLOC+ Polymer Elbow	1	5	187.33	0.41	1 bag
425022-001	2 x 2 in. EVERLOC+ LF Brass 45° Elbow	-	2	642.83	1.42	1 box



EVERLOC+ Elbows, PEX to Copper					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317166-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Elbow	25	90.26	0.20	1 box
317167-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Elbow	20	115.21	0.25	1 box



EVERLOC+ Elbows, PEX to FPT/MPT					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317169-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Elbow	10	99.79	0.22	1 box
425476-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Drop Ear Elbow	10	129.85	0.29	1 box
422006-001	3/4 x 3/4 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	8	158.76	0.35	1 box
422007-001	1 x 1 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	5	250.62	0.55	1 box



EVERLOC+ Plugs						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104857-001	3/4 in. EVERLOC+ Polymer Plug	20	100	6.35	0.014	1 bag
104858-001	1 in. EVERLOC+ Polymer Plug	10	50	11.34	0.025	1 bag
317158-001	1 1/4 in. EVERLOC+ LF Brass Plug	-	20	133.57	0.295	1 box
317159-001	1 1/2 in. EVERLOC+ LF Brass Plug	-	20	214.15	0.472	1 box
317160-001	2 in. EVERLOC+ LF Brass Plug	-	10	388.28	0.856	1 box

**EVERLOC+ Adapters, PEX to Copper**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317189-001	3/4 x 1 in. C Female EVERLOC+ LF Brass Adapter	5	92.99	0.21	1 box
317186-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Adapter	30	69.85	0.15	1 box
317187-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Adapter	20	95.25	0.21	1 box
317190-001	1 x 1 in. C Male EVERLOC+ LF Brass Adapter	15	115.21	0.25	1 box
317191-001	1 x 1 in. C Female EVERLOC+ LF Brass Adapter	15	142.43	0.31	1 box
317192-001	1 1/4 x 1 1/4 in. C Male EVERLOC+ LF Brass Adapter	10	177.81	0.39	1 box
317193-001	1 1/4 x 1 1/4 in. C Female EVERLOC+ LF Brass Adapter	10	215.46	0.48	1 box
317194-001	1 1/2 x 1 1/2 in. C Male EVERLOC+ LF Brass Adapter	5	282.59	0.62	1 box
317195-001	1 1/2 x 1 1/2 in. C Female EVERLOC+ LF Brass Adapter	5	494.42	1.09	1 box
317196-001	2 x 2 in. C Male EVERLOC+ LF Brass Adapter	2	585.13	1.29	1 box
317197-001	2 x 2 in. C Female EVERLOC+ LF Brass Adapter	2	721.21	1.59	1 box

**EVERLOC+ MPT Adapters, PEX to MPT**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317172-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Adapter	20	76.66	0.17	1 box
317177-001	3/4 x 1 in. MPT EVERLOC+ LF Brass Adapter	20	124.74	0.28	1 box
323708-001	1 x 3/4 in. MPT EVERLOC+ LF Brass Adapter	10	108.47	0.24	1 box
317178-001	1 x 1 in. MPT EVERLOC+ LF Brass Adapter	15	148.32	0.33	1 box
317179-001	1 1/4 x 1 1/4 in. MPT EVERLOC+ LF Brass Adapter	10	246.30	0.54	1 box
317180-001	1 1/2 x 1 1/2 in. MPT EVERLOC+ LF Brass Adapter	5	373.76	0.82	1 box
317181-001	2 x 2 in. MPT EVERLOC+ LF Brass Adapter	2	576.06	1.27	1 box

**EVERLOC+ FPT Adapters, PEX to FPT**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317182-001	3/4 x 3/4 in. FPT EVERLOC+ LF Brass Adapter	20	87.54	0.19	1 box
329227-001	1 x 3/4 in. FPT EVERLOC+ LF Brass Adapter	10	116.01	0.26	1 box
317183-001	1 x 1 in. FPT EVERLOC+ LF Brass Adapter	10	143.34	0.32	1 box

# 4. EVERLOC+ compression-sleeve tools



### EVERLOC+ Power Tool Standard Kit

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
105107-003	EVERLOC+ Power Tool Standard Kit (1/2, 3/4 and 1 in.)	1	6.8	15	1

The EVERLOC+ power tool standard kit is specifically designed for assembling 1/2, 3/4 and 1 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ power tool base unit (Art. 105106-003)
- EVERLOC+ expander adapter QC (Art. 105167-001)
- EVERLOC+ expander heads QC: 1/2 in. (Art. 105074-001), 3/4 in. (Art. 105076-001), 1 in. (Art. 105077-001)
- EVERLOC+ compression jaws (set): 1/2 in. (Art. 105084-001), 3/4 in. (Art. 105088-001), 1 in. (Art. 105091-001)
- (2) DeWALT® 12V Li-ion batteries (DCB127)
- DeWALT® 12V/20V Li-ion battery charger, 120VAC (DCB107)
- RAUCUTTER (Art. 137495)
- Tool case (Art. 318135-003)
- Grease (Art. 224989-001) and cleaning brush (Art. 224988-001)
- Operating instructions



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 Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

### EVERLOC+ Expander Heads



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105076-001	3/4 in. EVERLOC+ Expander Head (Quick Change)	1	150	0.33	1 ea
105077-001	1 in. EVERLOC+ Expander Head (Quick Change)	1	181	0.40	1 ea

### EVERLOC+ Compression Jaws



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105088-001	3/4 in. EVERLOC+ Compression Jaws (set)	1 set	295	0.65	1 set
105091-001	1 in. EVERLOC+ Compression Jaws (set)	1 set	386	0.85	1 set

**EVERLOC+ XL Power Tool Standard Kit**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
105733-002	EVERLOC+ XL Power Tool Kit (1 1/4, 1 1/2 and 2 in.)	1	19.5	43	1

The EVERLOC+ XL power tool standard kit is specifically designed for assembling 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ XL power tool base unit (Art. 105994-002)
- EVERLOC+ XL power tool support handle (Art. 1015995-001)
- EVERLOC+ XL expander adapter QC (Art. 105744-001)
- EVERLOC+ XL expander heads QC: 1 1/4 in. (Art. 105078-001), 1 1/2 in. (Art. 105079-001), 2 in. (Art. 105080-001)
- EVERLOC+ XL compression jaws (set): 1 1/4 in. (Art. 105094-001), 1 1/2 in. (Art. 105096-001), 2 in. (Art. 105098-001)
- (2) MAKITA® 18V Li-ion batteries (BL1840B)
- MAKITA® 18V Li-ion battery charger, 120VAC (DC18RC)
- Large ratchet cutter (Art. 131558-001)
- Tool case (Art. 321251-001)
- Grease (Art. 224989-001), cleaning brush (Art. 224988-001) and operating instructions



Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

Accessory item sold separately:

- EVERLOC+ XL Power Tool Kit Trolley (Art. 324373-001)

**EVERLOC+ XL Expander Tool Standard Kit**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
106096-002	EVERLOC+ XL Expander Tool Kit (1 1/4, 1 1/2 and 2 in.)	1	5.4	12	1

The EVERLOC+ XL expander tool standard kit is specifically designed for the expansion of 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ XL expander tool base unit (Art. 105419-002)
- MAKITA® 18V Li-ion battery (BL1840B)
- Tool case (Art. 322285-001)
- Grease (Art. 224989-001) and cleaning brush (Art. 224988-001)
- Operating instructions



Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

**EVERLOC+ XL Expander Heads**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
105078-001	1 1/4 in. EVERLOC+ XL Expander Head (Quick Change)	1	590	1.30	1 ea
105079-001	1 1/2 in. EVERLOC+ XL Expander Head (Quick Change)	1	667	1.47	1 ea
105080-001	2 in. EVERLOC+ XL Expander Head (Quick Change)	1	748	1.65	1 ea

**EVERLOC+ XL Compression Jaws**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
105094-001	1 1/4 in. EVERLOC+ XL Compression Jaws (set)	1 set	1134	2.50	1 set
105096-001	1 1/2 in. EVERLOC+ XL Compression Jaws (set)	1 set	1179	2.60	1 set
105098-001	2 in. EVERLOC+ XL Compression Jaws (set)	1 set	1270	2.80	1 set



# 5. Pipe supports and protection



Steel Support Bends						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
257249	3/4 in. Steel Support Bend 90°	10	50	150	0.32	1 box
268634-001*	3/4 in. Steel Support Bend 45°	10	50	150	0.32	1 box
261153	1 in. Steel Support Bend 90°	5	50	380	0.84	1 box

\* This item is not stocked. Lead times may vary.



Polymer Support Bends With Screw Hole					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
266227	3/4 in. Polymer Support Bend	50	70	0.16	1 box
266237	1 in. Polymer Support Bend	50	100	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50	200	0.44	1 box



PVC Bend Guides					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
266175-001	5/8 and 3/4 in. PVC Bend Guide	30	142	0.31	1 box
266180	1 in. Schedule 40 PVC Bend Guide	20	378	0.83	1 box



PE Protection Sleeves						
Article No.	Description	Hole Size	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
236117	Protection Sleeve for 5/8 and 3/4 in. Pipe	1 1/4 in.	50 ft (15.2 m) coil	1.1	2.4	1 coil
236127	Protection Sleeve for 1 in. Pipe	1 1/2 in.	50 ft (15.2 m) coil	1.7	3.6	1 coil
236137*	Protection Sleeve for 1 1/4 in. Pipe	2 in.	150 ft (45.7 m) coil	6.1	13.4	1 coil
236147*	Protection Sleeve for 1 1/2 in. Pipe	2 1/2 in.	100 ft (30.4 m) coil	7.8	17.2	1 coil
236157*	Protection Sleeve for 2 in. Pipe	3 in.	100 ft (30.4 m) coil	8.7	19.2	1 coil

\* This item is not stocked. Lead times may vary.  
Most sizes are slit for easier installation.



#### Protection Tape

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
246869-001	Protective Tape, Red	3 rolls/box	284	.626	1 box

Protective tape for wrapping EVERLOC+ joints when used with polyurethane foam insulation kits.  
Tape dimensions: 2 in. wide x 100 ft long (50 mm x 30 m)



#### Rubber Tape

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
241002	Linerless Rubber Tape, Black	1	279	.616	1 roll

Scotch® 2242 linerless, self-bonding, waterproof, Ethylene Propylene Rubber (EPR) tape for wrapping of EVERLOC+ joints.  
Tape dimensions: 2 in. wide x 15 ft. long (50 mm x 4.57 m).

## 6. Pipe fasteners



### Nylon Pipe Ties

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
724448	Nylon Pipe Ties	1000 pcs/bag	1.43	0.0003	1 bag

Ties are 8 in. long and rated at 50 lbs tensile strength.



### Locking Clips

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
261516	3/4 in. Locking Clips	100/bag	7	0.02	1 bag
261566	1 in. Locking Clips	50/bag	12	0.03	1 bag
261576	1 1/4 in. Locking Clips	50/bag	12	0.03	1 bag
261586	1 1/2 in. Locking Clips	25/bag	18	0.04	1 bag
261596	2 in. Locking Clips	25/bag	30	0.07	1 bag



### Talon Drive Hooks

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
261776	Low Profile 5/8 and 3/4 in. Talons	50/bag	6	0.01	1 bag
261806	Low Profile 1 in. Talons	50/bag	10	0.02	1 bag



### Single Nail Clamps

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
261756*	Single Nail Clamp for 3/4 in. Pipe	100	1000	5	0.01	1 bag

\* This item is not stocked. Lead times may vary. Minimum order quantities may vary.



#### Plastic Pipe Clamps

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282401*	1 1/4 in. Plastic Pipe Clamp	50	800	16	0.04	1 bag
282411*	1 1/2 in. Plastic Pipe Clamp	25	600	20	0.05	1 bag
282421*	2 in. Plastic Pipe Clamp	25	300	32	0.07	1 bag

\* This item is not stocked. Lead times may vary. Minimum order quantities may vary.



#### Isolating Suspension Clamps

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282431*	1 1/4 in. Isolating Suspension Clamp	50	800	15	0.03	1 bag
282441*	1 1/2 in. Isolating Suspension Clamp	25	600	28	0.04	1 bag
282451*	2 in. Isolating Suspension Clamp	25	300	23	0.05	1 bag

\* This item is not stocked. Lead times may vary. Minimum order quantities may vary.

## 7. Pipe installation tools



### RAUPEX Horizontal Uncoilers

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Uncoiler is capable of holding RAUPEX coils up to 1 in. diameter.



### Turntable Uncoilers

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
424865-001	Turntable Uncoiler	1	40.4	89.0	1

Uncoiler has adjustable I.D. to fit multiple sizes of PEXa up to 1,000 ft of 3/4 in. Turntable rotates from horizontal to vertical to fit through doorways and allow for easy jobsite mobility. Assembly required.



### RAUPEX Cutters

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER for up to 1 in. RAUPEX	1	0.17	0.38	1
315242-001	Ratchet Cutter for up to 1 1/2 in. RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 2 in. RAUPEX	1	1.09	2.41	1



### 3. Radiant Heating/Cooling, Snow and Ice Melting Product Catalog

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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit [na.rehau.com/resourcecenter](http://na.rehau.com/resourcecenter)

# 1. RAUPEX O<sub>2</sub> barrier pipe

RAUPEX O<sub>2</sub> barrier pipe is manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUPEX O<sub>2</sub> barrier pipe has a co-extruded oxygen diffusion barrier that exceeds the strict requirements of DIN 4726. All RAUPEX O<sub>2</sub> barrier pipe meets or exceeds the requirements of ASTM F876, CSA B137.5 and PPI TR-3. RAUPEX O<sub>2</sub> barrier pipe also complies with the requirements of the CSA B214 installation code for hydronic heating systems. RAUPEX O<sub>2</sub> barrier pipe for use with the EVERLOC+® compression-sleeve system certified to ASTM F877, the REHAU F1960 cold expansion fitting system certified to ASTM F1960, and RAUPEX compression nut fittings. See REHAU Technical Bulletin TB261 for other compatible PEX fitting systems. RAUPEX O<sub>2</sub> barrier pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.



## 3/8 in. RAUPEX O<sub>2</sub> Barrier Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
136008-500	3/8 in. RAUPEX O <sub>2</sub> Barrier Pipe, 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 coil
136008-000	3/8 in. RAUPEX O <sub>2</sub> Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 coil

## 1/2 in. RAUPEX O<sub>2</sub> Barrier Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
136031-300	1/2 in. RAUPEX O <sub>2</sub> Barrier Pipe, 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
136031-500	1/2 in. RAUPEX O <sub>2</sub> Barrier Pipe, 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
136031-000	1/2 in. RAUPEX O <sub>2</sub> Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
136031-150	1/2 in. RAUPEX O <sub>2</sub> Barrier Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box

## 5/8 in. RAUPEX O<sub>2</sub> Barrier Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
136880-300	5/8 in. RAUPEX O <sub>2</sub> Barrier Pipe, 300 ft coil (91.4 m)	300 ft	11.02	24.3	1 coil
136880-400	5/8 in. RAUPEX O <sub>2</sub> Barrier Pipe, 400 ft coil (121.8 m)	400 ft	16.3	35.9	1 coil
136880-500	5/8 in. RAUPEX O <sub>2</sub> Barrier Pipe, 500 ft coil (152.4 m)	500 ft	18.37	40.5	1 coil
136880-155	5/8 in. RAUPEX O <sub>2</sub> Barrier Pipe, 750 ft (228.6 m)	5 (150 ft) coils/box	27.6	60.7	1 box
136880-000	5/8 in. RAUPEX O <sub>2</sub> Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	35.9	79.1	1 coil

## 3/4 in. RAUPEX O<sub>2</sub> Barrier Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
136051-100	3/4 in. RAUPEX O <sub>2</sub> Barrier Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
136051-300	3/4 in. RAUPEX O <sub>2</sub> Barrier Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.4	1 coil
136051-500	3/4 in. RAUPEX O <sub>2</sub> Barrier Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
136051-000	3/4 in. RAUPEX O <sub>2</sub> Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	49.2	108.5	1 coil

1 in. RAUPEX O <sub>2</sub> Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
136011-100	1 in. RAUPEX O <sub>2</sub> Barrier Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
136011-500	1 in. RAUPEX O <sub>2</sub> Barrier Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

1 1/4 in. RAUPEX O <sub>2</sub> Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
136283-100	1 1/4 in. RAUPEX O <sub>2</sub> Barrier Pipe, 100 ft coil (30.5 m)	100 ft	11.4	25.0	1 coil
136283-111	1 1/4 in. RAUPEX O <sub>2</sub> Barrier Pipe, 1,000 ft coil (304.8 m)	1000 ft	114.0	250.0	1 coil

1 1/2 in. RAUPEX O <sub>2</sub> Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
136293-100	1 1/2 in. RAUPEX O <sub>2</sub> Barrier Pipe, 100 ft coil (30.5 m)	100 ft	16.0	35.0	1 coil

2 in. RAUPEX O <sub>2</sub> Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
136303-100	2 in. RAUPEX O <sub>2</sub> Barrier Pipe, 100 ft coil (30.5 m)	100 ft	27.4	60.0	1 coil

RAUPEX O <sub>2</sub> Barrier Pipe 20 ft Straight Lengths					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
		Bag	kg	lb	
136051-020	3/4 in. RAUPEX O <sub>2</sub> Barrier Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
136011-020	1 in. RAUPEX O <sub>2</sub> Barrier Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag
136283-020	1 1/4 in. RAUPEX O <sub>2</sub> Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	2.3	5.0	1 bag
136293-020	1 1/2 in. RAUPEX O <sub>2</sub> Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	3.2	7.0	1 bag
136303-020	2 in. RAUPEX O <sub>2</sub> Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	5.5	12.0	1 bag



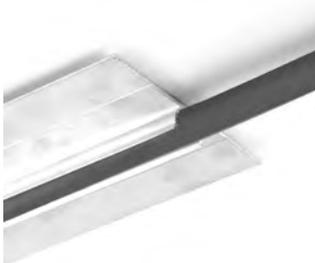
## 2. Radiant heating plate systems

Aluminum heat transfer plates are used in joist space installations to enhance heat transfer and improve efficiency. Radiant heating plate systems outperform talon-up joist space construction installations. Plate systems are suitable for both new construction and retrofit residential applications.



RAUPLATE™ Radiant Heating System							
Article No.	Description	Nominal Length		Package Quantity	Unit Weight		Minimum Order
		m	ft		kg	lb	
298926-001	RAUPLATE Heat Transfer Plate For 1/2 in. RAUPEX	1.2	4	20 pcs/box	0.70	1.50	1 box

RAUPLATE heat transfer plates are designed with two pipe channels 8 in. on-center. RAUPLATE is screwed to the underside of the subfloor in the joist space and RAUPEX pipe snaps into the plates. Plates measure 8.7 x 47 in (22 x 119 cm).



Heat Transfer Plates, Heavy Gauge					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
235962*	Heat Transfer Plate, Heavy Gauge for 3/8 in. RAUPEX	20 pcs/carton	495	1.09	1 carton
235972	Heat Transfer Plate, Heavy Gauge for 1/2 in. RAUPEX	20 pcs/carton	509	1.12	1 carton

\*This item is not stocked. Lead time may vary. Minimum order quantities may vary.

Aluminum heat transfer plates are screwed into the joist space and RAUPEX pipe to snap into the plates. Plates measure 3.5 x 48 in (8.9 x 121.9 cm) with pre-drilled 1/8 in. holes.

### 3. Radiant heating panel systems

Radiant heating panel systems are installed directly on top of the subfloor, and for some installations in walls or ceilings behind gypsum board.



RAUPANEL™ High-performance Radiant Heating System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235307	RAUPANEL (6 ft lengths)	96 ft / 16 pcs/box	1.73	3.80	1 box
235327-001	RAUPANEL 6 in. Plywood Return Bend (4 returns)	32 ft / 8 pcs/box	1.82	4.00	1 box
235337-001	RAUPANEL 8 in. Plywood Return Bend (3 returns)	32 ft / 8 pcs/box	2.05	4.50	1 box
235377-001	RAUPANEL 2 in. Plywood Furring Strip	136 ft / 34 pcs/box	0.45	1.00	1 box
235387	Deburring Tool	10 pcs/box	0.02	0.05	1

Furring strips are to be used in conjunction with 8 in. return bends to facilitate proper spacing of RAUPANEL and to provide a nailing surface for the floor covering. Reference the table below for product dimensions and square footage. Follow RAUPANEL System Installation Guide (855.625) for instructions on design and use of this product. RAUPANEL is 5/8 in. thick and designed for use with 3/8 in. RAUPEX O<sub>2</sub> barrier pipe.

#### Table of Dimensions

Article No.	Dimensions L x W x H	ft <sup>2</sup> /pc	ft <sup>2</sup> /pkg	m <sup>2</sup> /pc	m <sup>2</sup> /pkg
235307	72 x 6 x 5/8 in.	3.0	48.0	0.279	4.459
235327-001	48 x 8 x 5/8 in.	2.7	21.3	0.251	1.979
235337-001	48 x 9 x 5/8 in.	3.0	24.0	0.279	2.230
235377-001	48 x 1 15/16 x 5/8 in.	0.7	22.7	0.065	2.110

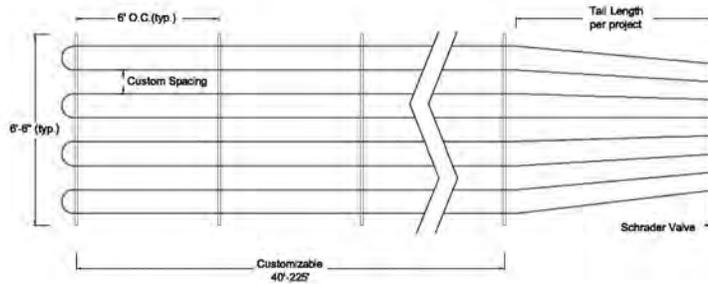


RAUBOARD™ Radiant Heating System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298896-001	RAUBOARD Double Groove	6 pcs/bundle	2.3	5.0	1 bundle
298796-001	RAUBOARD Single Groove	6 pcs/bundle	1.1	2.5	1 bundle
298396-001	RAUBOARD Return Groove	6 pcs/bundle	1.1	2.4	1 bundle
136549-001	10.1 mm RAUPEX O <sub>2</sub> Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	11.8	26.0	1 coil
136549-500	10.1 mm RAUPEX O <sub>2</sub> Barrier Pipe, 500 ft coil (152.4 m)	500 ft	5.9	13.0	1 coil
200526-001	10.1 mm SDR11 Coupling	10 pcs/box	0.02	0.04	1 box
200536-001	10.1 mm SDR11 Sleeve	10 pcs/box	0.01	0.02	1 box
200546-001	10.1 mm RAUPEX x R-20 Brass Manifold Outlet	2 pcs/bag	0.06	0.14	1 bag
228950-002	10.1 mm Polymer Support Bend	100 pcs/box	0.02	0.06	1 box
228396-001	RAUTOOL K10 Tool Kit	1	2.3	5.0	1

RAUBOARD low-profile heat transfer panels are screwed to the subfloor or wall/ceiling joists, then the 10.1 mm RAUPEX pipe snaps into the groove. A small bead of silicone is applied to the groove before installing the pipe. RAUBOARD panels measure 1/2 in. thick with pipe spacing of 6 in (152 mm) on-center.

# 4. Radiant heating mat systems

RAUMAT™ is a pre-assembled roll of RAUPEX O<sub>2</sub> barrier pipe intended for radiant heating and cooling systems to be installed in large, open slab areas. RAUMAT is custom designed and built to project-specific requirements. Contact your local REHAU sales office for availability. RAUMAT is custom-made for each project, therefore article numbers, pricing, options and lead times vary.



### RAUMAT Pre-assembled Radiant Mat System With 3/4 in. RAUPEX Pipe

**Options**

Length	Custom lengths 40 to 250 ft
Width	Custom width up to 6.5 ft
Spacing	Custom spacing
Pipe	RAUPEX O <sub>2</sub> barrier 3/4 in.
Circuits	Up to 5 circuits per RAUMAT (equal length)
Tails	Customizable per project requirements
Supports	PEX rails every 6 ft

### RAUMAT Pre-assembled Radiant Mat System With 5/8 in. RAUPEX Pipe

**Options**

Length	Custom lengths 40 to 250 ft
Width	Custom width up to 6.5 ft
Spacing	Custom spacing (1 in. OC increments)
Pipe	RAUPEX O <sub>2</sub> barrier 5/8 in.
Circuits	Up to 5 circuits per RAUMAT (equal length)
Tails	Customizable per project requirements
Supports	PEX rails every 6 ft

RAUMAT is custom-made for each project, therefore article numbers, pricing, options and lead times vary. Contact your local REHAU sales office for availability.

### RAUPEX SPEED Hook-and-Loop Radiant System

RAUPEX SPEED hook-and-loop radiant system is used in floors to efficiently and evenly distribute heat/cold from RAUPEX SPEED pipe into the room. The system can be installed in a concrete slab on grade, suspended slab or above suspended wood floor and encased in a thin slab overpour.



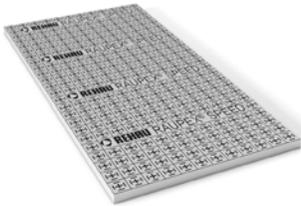
1/2 in. RAUPEX SPEED O <sub>2</sub> Barrier Pipe						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			kg	lb		
160950-300	1/2 in. RAUPEX SPEED O <sub>2</sub> Barrier Pipe, 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil	
160950-001	1/2 in. RAUPEX SPEED O <sub>2</sub> Barrier Pipe, 1,000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil	

RAUPEX SPEED O<sub>2</sub> barrier pipe includes a hook-and-loop tape for fastening to the RAUPEX SPEED mat or iBoard, without the need for staples, pins or clips.



RAUPEX SPEED Mat					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
316110-100	RAUPEX SPEED Mat R, Roll	161.4 ft <sup>2</sup> (15m <sup>2</sup> )	11.7	25.79	1 roll

The RAUPEX SPEED hook-and-loop mat has an adhesive bottom, allowing it to be installed on different insulation materials and substrates. The loop part of the hook-and-loop system on the top of the mat works with the hook-and-loop tape of the RAUPEX SPEED O<sub>2</sub> barrier pipe for fastening without the need for staples, pins or clips.



RAUPEX SPEED iBoard					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
422069-001	RAUPEX SPEED iBoard R5 (4 ft x 8 ft x 1.25 in)	320 ft <sup>2</sup> (29.73m <sup>2</sup> )	21.55	47.5	*
422071-001	RAUPEX SPEED iBoard R10 (4 ft x 8 ft x 2.38 in.)	160 ft <sup>2</sup> (14.86m <sup>2</sup> )	31.98	70.5	*
427469-001	RAUPEX SPEED iBoard Tape	2 in (W) x 108 ft. (L)	0.28	0.63	1 roll

\*Lead times and minimum order quantity vary per project, contact sales office for details.

The RAUPEX SPEED iBoard combines an R-value insulation board with the hook-and-loop fastening system for radiant overpour applications. The hook-and-loop tape on the RAUPEX SPEED pipe fastens to the loop surface of the iBoard without the need for staples, pins or clips. The imprinted grid pattern on the iBoard enables fast and accurate pipe layout. Tape may be used to join or repair iBoards.



RAUPEX SPEED Door Spreader					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
104027-001	RAUPEX SPEED Door Spreader With Pipe Guide	1	1.10	2.42	1

The RAUPEX SPEED door spreader with pipe guide aids in the installation of the RAUPEX SPEED hook-and-loop radiant systems by guiding the pipe above the mat or iBoard during the installation process.



RAUPEX Horizontal Uncoiler					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Uncoiler dispenses RAUPEX pipe horizontally and is capable of holding RAUPEX coils up to 1 in.

# 5. PRO-BALANCE stainless steel manifolds



PRO-BALANCE 1 in. Stainless Steel Manifold With Gauges							
Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
381101-001	1	254	9.98	1	2.4	5.3	1
381102-001	2	310	12.20	1	2.8	6.2	1
381103-001	3	365	14.37	1	3.2	7.1	1
381104-001	4	420	16.54	1	3.6	8.0	1
381105-001	5	475	18.7	1	4.0	8.9	1
381106-001	6	530	20.87	1	4.4	9.8	1
381107-001	7	585	23.03	1	4.9	10.7	1
381108-001	8	640	25.20	1	5.2	11.6	1
381109-001	9	695	27.36	1	5.7	12.5	1
381110-001	10	750	29.53	1	6.0	13.3	1
381111-001	11	805	31.69	1	6.5	14.3	1
381112-001	12	860	33.86	1	6.9	15.1	1

Delivered pre-assembled and ready to install. Use with 10.1 mm and 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipe. Compatible with REHAU manifold valve actuator (Art. 260166). Order manifold-to-pipe connectors separately (see R-20 compression-style manifold connections below).

Each PRO-BALANCE 1 in. manifold comes complete with the following:

- 1 in. NPT supply and return manifold isolation valves with gaskets and mini thermometers
- Visual flow gauges/isolation valves (0 to 2 GPM) on stainless steel supply header
- Circuit balancing/isolation valves on stainless steel return header
- Air vent drain valves with gaskets
- Mounting brackets
- Vent key and holder
- Installation instructions
- Manifold circuit chart

Notes:

- Manifold lengths above include the isolation ball valve 2.44 in (62 mm) and the air vent/boiler drain valves 2.24 in (57 mm)
- Maximum flow is 2.0 GPM (0.13 l/s) per circuit; and a total manifold flow of no more than 20 GPM (1.26 l/s)
- Depth of manifold is 3.9 in (10.0 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 in. BSPP unions (Art. 316258-002)

RAUPEX Connections for PRO-BALANCE Stainless Steel Manifolds							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
418315-001	3/8 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	76	0.17	1 bag/2 connectors
418317-001	1/2 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
418318-001	5/8 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
418319-001	3/4 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	24	144	132	0.29	1 bag/2 connectors
267007-100	EPDM O-ring for RAUPEX Insert to R-20 Connection	10	500	n/a	0.91	0.002	1 bag/10 rings



For use with 1 in. PRO-BALANCE stainless steel manifold. 3/8, 1/2 and 5/8 in. fittings include insert with O-ring, split brass ring and compression nut. 3/4 in. fitting includes R-20 x 1 in. bushing, 3/4 in. insert with O-ring, split brass ring and compression nut.



**PRO-BALANCE Stainless Steel Manifold Replacement Flow Gauges**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
316252-002	PRO-BALANCE 1 in. Flow Gauge Replacement Kit, Nickel Plated	1	85	0.19	1

PRO-BALANCE flow gauge kits can be used to replace flow gauges on the supply side of the PRO-BALANCE stainless steel manifolds and connect directly with a 3/8 in. threaded connection. The replacement flow gauges have an integrated shutoff valve that is manually activated with a common vent key. Install using thread sealant.



**PRO-BALANCE Stainless Steel Manifold Circuit Balancing/Isolation Valves**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
316254-002	PRO-BALANCE Circuit Balancing/Isolation Valve, Nickel Plated	1	90	0.19	1

Replacement circuit balancing/isolation valve for the return side of the 1 in. PRO-BALANCE stainless steel manifold. Install using thread sealant.



**PRO-BALANCE Stainless Steel Manifold Circuit Isolation Valves**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
302047-001	PRO-BALANCE Manifold Circuit Isolation Valve, Nickel Plated	10/box	0.12	0.26	1 box

This nickel plated 1/4 turn ball valve attaches to R-20 circuit outlets on the supply side of 1 in. PRO-BALANCE stainless steel manifold to allow for complete shut-off. Standard 1/4 in. vent key (supplied with each manifold) is used to operate the valve. Install flow-stop valves by hand onto R-20 outlets of the manifold. Do not use thread sealant. Thread the valve clockwise until it stops. If necessary, back the valve off to align the valve stem with the front of the manifold. may only be used with 3/8, 1/2 and 5/8 in. R-20 outlets.



**NPT Valve Set With Thermometer Housings for PRO-BALANCE 1 in. Stainless Steel Manifolds**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
316250-002	1 in. NPT Valve Set w/ Thermometer Housings, Nickel Plated	Set of 2	420	0.92	1 set

These valves have integrated thermometer housings on each side of the valve bodies. Mini thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE 1 in. manifold. Includes gaskets. Mini thermometers are sold separately.



**PRO-BALANCE Stainless Steel Manifold Air Vent/Boiler Drain Combination Set**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
316257-002	1 in. BSPP Air Vent/Boiler Drain Combination Set w/ Gaskets, Nickel Plated	1 set of 2	444	0.98	1 set

This set includes air vent/boiler drain combination pieces with union nuts and gaskets. Manual air vent opens with 1/4 in. vent key (supplied with each manifold). Boiler drain ball valve includes male garden hose thread (GHT). Gasketed caps included.





**PRO-BALANCE Stainless Steel Manifold End Caps**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316248-002	1 in. Manifold End Cap w/ Gasket, Nickel Plated	1	100	0.22	1

Can be used to cap off end of any manifold header while eliminating usual end pieces. Includes gasket.



**PRO-BALANCE Stainless Steel Manifold BSPP 90° Angle Pieces**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316249-002	1 in. BSPP 90° Angle Piece w/ Gasket, Nickel Plated	1	343	0.76	1

For 1 in. PRO-BALANCE stainless steel manifolds. Includes union nut and gasket. Can be used to install manifold isolation valves at a right angle to manifold.



**PRO-BALANCE Blind Plugs**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
298186-001	Blind Plug 3/8 in. BSPP, Nickel Plated	1	17	0.04	1

PRO-BALANCE blind plugs are nickel-plated brass plugs with an EPDM O-ring and can be used in place of the PRO-BALANCE flow gauges on the supply side of the PRO-BALANCE stainless steel manifolds. Install using thread sealant.



**PRO-BALANCE Manifold Protective Caps**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
321531-100	PRO-BALANCE Protective Cap (White)	1	3.6	0.01	1

## 6. PRO-BALANCE brass manifolds



PRO-BALANCE 1 1/4 in. Brass Manifold With Gauges							
Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
281841-101	4	398	15.08	1	5.0	11.0	1
281851-101	5	453	17.06	1	5.4	12.0	1
281861-101	6	508	19.02	1	6.0	13.1	1
281871-101	7	563	20.99	1	6.5	14.2	1
281881-101	8	618	22.95	1	6.9	15.3	1
281891-101	9	673	24.92	1	7.5	16.4	1
281801-101	10	728	26.89	1	9.2	20.3	1

Delivered pre-assembled and ready to install. Use with 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipe. Compatible with Manifold Valve Actuator (Art. 260166). Order manifold-to-pipe connectors separately (see R-20 compression-style manifold connections)

Each manifold comes complete with:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Visual flow gauges (0 to 4 GPM) on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Notes:

- Mini Thermometers (Art. 250218) sold separately
- Manifold lengths above include the isolation ball valve 3.86 in (98 mm)
- Maximum flow is 4.0 GPM (0.25 l/s) per circuit; 40 GPM (2.52 l/s) total
- Depth of manifold is 4.50 in (11.4 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 1/4 in. BSPP unions (Art. 281971-001) or 1 1/4 in. BSPP x 1 1/4 in. BSPP x 1 1/4 in. BSPP Union Tee (Art. 250228-001).



RAUPEX Connections for PRO-BALANCE Brass Manifolds							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
267507-101	3/8 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	76	0.17	1 bag/2 connectors
261007-101	1/2 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
267557-101	5/8 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
267007-101	3/4 in. RAUPEX x R-20 Brass Manifold Outlet	2	24	144	132	0.29	1 bag/2 connectors
267007-100	EPDM O-ring for RAUPEX Insert to R-20 Connection	10	500	n/a	0.91	0.002	1 bag/10 rings

For use with PRO-BALANCE brass manifolds. 3/8, 1/2 and 5/8 in. fittings include insert with O-ring, split brass ring and compression nut. 3/4 in. fitting includes R-20 x 1 in. bushing, 3/4 in. insert with O-ring, split brass ring and compression nut.



**PRO-BALANCE Brass Manifold Replacement Flow Gauges**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
281901-101	PRO-BALANCE 1 1/4 in. Flow Gauge Replacement Kit	1	85	0.19	1

PRO-BALANCE flow gauge kits can be used to replace PRO-BALANCE flow gauges on the supply side of the PRO-BALANCE brass manifolds and connect directly with a 3/8 in. threaded connection.



**PRO-BALANCE Brass Manifold Circuit Balancing/Isolation Valves**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
250221	PRO-BALANCE Circuit Balancing/Isolation Valve	1	90	0.19	1

Replacement circuit balancing/isolation valve for the return side of the PRO-BALANCE brass manifold. Install using thread sealant.



**PRO-BALANCE Brass Manifold Flow-Stop Circuit Valves**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
250224	PRO-BALANCE Flow-stop Circuit Valve	5/box	0.12	0.26	1 box

This brass 1/4 turn ball valve attaches to R-20 circuit outlets on the supply side of PRO-BALANCE brass manifolds to allow for complete shut-off. Standard 1/4 in. vent key (supplied with each manifold) is used to operate the valve. Do not use thread sealant. Thread the valve clockwise until it stops. If necessary, back the valve off to align the valve stem with the front of the manifold. May only be used with 3/8, 1/2 and 5/8 in. R-20 outlets.



**PRO-BALANCE 1 1/4 in. Brass Manifold NPT Isolation Ball Valve Sets**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281931-001	1 1/4 in. NPT Isolation Valve Set w/ Gaskets	1 set of 2	2.1	4.63	1 set

These valves have integrated thermometer housings on each side of the valve bodies. Mini thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of the PRO-BALANCE brass 1 1/4 in. manifold. Includes gaskets. Mini thermometers are sold separately.



**PRO-BALANCE Brass Manifold Air Vent/Boiler Drain Combination Sets**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
250226	1 in. BSPP Air Vent/Boiler Drain Combination Set w/ Gaskets	1 set of 2	444	0.98	1 set

This set includes air vent/boiler drain combination pieces with union nuts and gaskets. Manual air vent opens with 1/4 in. vent key (supplied with each manifold). Boiler drain ball valve includes male garden hose thread (GHT) for convenient connections. Gasketed caps included.



**PRO-BALANCE 1 1/4 in. Brass Manifold Adapter Fittings**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
298986-001	1 1/4 in. BSPF x 1 in. BSPM Adapter	1 set of 2	129	0.28	1 set

For use with PRO-BALANCE 1 1/4 in. brass manifolds to transition 1 1/4 in. BSPF x 1 in. BSPM in order to use air vent/boiler drain combination set (Art. 250226).



**PRO-BALANCE Brass Manifold Automatic Air Vents**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
250212	Automatic Air Vent 3/8 in. BSPP	1	142	0.31	1

For PRO-BALANCE brass manifolds. Can be used to replace manual air vent on air vent/boiler drain pieces to allow automatic elimination of entrained air in a hydronic system.



**PRO-BALANCE Brass Manifold End Caps**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
281951-001	1 1/4 in. Manifold End Cap w/ Gasket	1	100	0.22	1

Can be used to cap off end of any manifold header while eliminating usual end pieces. Includes gasket.



**PRO-BALANCE Brass Manifold BSPP 90° Angle Pieces**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
281981-001	1 1/4 in. BSPP 90° Angle Piece w/ Gasket	1	418	0.92	1

For PRO-BALANCE brass manifolds. Includes union nut and gasket. Can be used to install manifold isolation valves at a right angle to manifold.



**PRO-BALANCE Blind Plugs**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
298186-001	Blind Plug 3/8 in. BSPP, Nickel Plated	1	17	0.04	1

PRO-BALANCE blind plugs are nickel-plated brass plugs with an EPDM O-ring and can be used in place of the PRO-BALANCE brass manifold flow gauges on the supply side of the manifold. Install using thread sealant.



**PRO-BALANCE Manifold Protective Caps**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
298996-100	PRO-BALANCE Protective Cap (Blue)	1	3.6	0.01	1

# 7. PRO-BALANCE manifold accessories



### PRO-BALANCE Pressure Differential Bypass Modules

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281541-001	PRO-BALANCE Pressure Differential Bypass Module	1	1.3	2.8	1

This modular accessory connects directly to PRO-BALANCE manifold. Normally, a constant speed circulator is sized assuming that all circuits in a zone valve system may be open. The pressure differential bypass module provides a means to control the excess flow (velocity) that would otherwise occur when actuators close. Installation of this module onto the 1 in. PRO-BALANCE manifolds creates an automatically regulated flow path such that operating zone circuits do not see unnecessarily high flow.



### PRO-BALANCE Mixing Modules

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281501-001	PRO-BALANCE Mixing Module	1	4.10	9	1

Intended for small radiant heating applications using a fixed "set point" temperature supply. Designed to fit directly to the left or right of the PRO-BALANCE manifold. The supply temperature to the manifold may be adjusted between 68 and 158°F (20 and 70°C), by means of temperature controlled injection valve. The injection valve has features that can limit the manual adjustment of the valve to prevent tampering and/or over-heating. The module pump would be typically energized by a room thermostat via a relay. The relay could be energized by a thermostat or via the end of the actuator of one of the REHAU electronic boxes.

Specifications:

- Max. acceptable working temperature/pressure: 176°F (80°C) / 87 psi (6 bar)
- Pump: Grundfos UP 15-58-130 mm 1 in. BSPM connections; 3-speed cast iron "SUPERBRUTE"; Integral check valve; 115 VAC, 2 pole, single phase; Flow range: 0 to 17.5 US GPM; Head range: 0 to 19 ft



### PRO-BALANCE Manifold Union Sets

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
316258-002	1 in. BSSP Unions w/ Gaskets, Nickel Plated	1 set of 2	300	0.60	1 set
281971-001	1 1/4 in. BSSP Unions w/ Gaskets	1 set of 2	220	0.49	1 set

For use with PRO-BALANCE manifolds to connect two or more manifolds together in series. Includes union nuts and gaskets. May be used to extend an installed manifold.



### PRO-BALANCE Manifold Union Tee Sets

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
250228-001	1 1/4 in. BSSP Manifold Union Tee Set w/ Gaskets	1 set of 2	1.50	3.30	1 set

Male thread connections for Manifold Union Tee Sets are 1 1/4 in. BSPM. Sets are supplied with gaskets.



**PRO-BALANCE Manifold Mini Thermometers**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
250218	Mini Thermometer	1	24	0.05	1

Mini thermometers can be set into the housings on 1 1/4 or 1 in. NPT valves with thermometer housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE manifold (for use only with these valves). Thermometers read from 40 to 200°F and 0 to 100°C. Valves sold separatel



**PRO-BALANCE Manifold Circuit Outlet Caps**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
250209-C	R-20 Circuit Outlet Cap w/ Gasket	1	28	0.07	1

Circuit outlet cap is used to cap off unused outlets on 1 and 1 1/4 in. PRO-BALANCE manifold. Includes gasket.



**PRO-BALANCE Manifold Gaskets**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
250203-G	Fiber Gasket for 1 in. Manifold Valve	1	0.91	0.002	1
281811-001	Fiber Gasket for 1 1/4 in. Manifold Valve	1	1.36	0.003	1
327714-001	Rubber Gasket for 1 in. Manifold Valve	1	1.36	0.003	1
327715-001	Rubber Gasket for 1 1/4 in. Manifold Valve	1	2.27	0.005	1



**PRO-BALANCE Manifold Brackets**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261386	1 1/4 in. Steel Manifold Brackets	Set of 2	0.45	1.0	1 set
261396	1 1/2 in. Steel Manifold Brackets	Set of 2	0.50	1.1	1 set

Steel manifold brackets are for use with PRO-BALANCE 1 in. and 1 1/4 in. manifolds



**PRO-BALANCE White Surface Mount Manifold Cabinets**

Article No.	Description	Typical Station Configuration	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
347400-512	White Surface Mount Manifold Cabinet 16W	Up to 3	1	12.5	27.6	1
347410-512	White Surface Mount Manifold Cabinet 20W	Up To 5	1	16.1	35.5	1
347420-512	White Surface Mount Manifold Cabinet 28W	Up to 8	1	19.1	42.1	1
347430-512	White Surface Mount Manifold Cabinet 36W	Up to 11	1	22.7	50.0	1
347440-512	White Surface Mount Manifold Cabinet 44W	Up to 12	1	23.9	52.7	1
347450-512	White Surface Mount Manifold Cabinet 50W	Up to 12	1	26.8	59.1	1

PRO-BALANCE manifold cabinets for surface installations. Cabinets are made from galvanized steel with basic white powder coat finish (RAL 9016 / Pantone 705). Internal brackets allow for mounting of PRO-BALANCE 1 and 1/4 in. manifolds. Removable coverplate below door extends cabinet opening to floor (27 in / 69 cm). Steel door includes cam latch. Keyed locks can be added separately, see (Art. 217688-001)

**PRO-BALANCE Stainless Steel Surface Mount Manifold Cabinets**

Article No.	Description	Typical Station Configuration	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
316853-512*	Stainless Surface Mount Manifold Cabinet 16W	Up to 3	1	12.5	27.6	1
316854-512*	Stainless Surface Mount Manifold Cabinet 20W	Up To 5	1	16.1	35.5	1
316855-512*	Stainless Surface Mount Manifold Cabinet 28W	Up to 8	1	19.1	42.1	1
316856-512*	Stainless Surface Mount Manifold Cabinet 36W	Up to 11	1	22.7	50.0	1
316857-512*	Stainless Surface Mount Manifold Cabinet 44W	Up to 12	1	23.9	52.7	1
316858-512*	Stainless Surface Mount Manifold Cabinet 50W	Up to 12	1	26.8	59.1	1

\* This item is not stocked. Lead times may vary.

PRO-BALANCE manifold cabinets for surface installations. Cabinets are made from 304 stainless. Internal brackets allow for mounting of PRO-BALANCE 1 and 1/4 in. manifolds. Removable coverplate below door extends cabinet opening to floor (27 in / 69 cm). Steel door includes cam latch. Keyed locks can be added separately, see (Art. 217688-001)



**PRO-BALANCE White Flush Mount Manifold Cabinets**

Article No.	Description	Typical Station Configuration	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
345400-512	White Flush Mount Manifold Cabinet 16W	Up to 3	1	13.7	30.2	1
345410-512	White Flush Mount Manifold Cabinet 20W	Up to 5	1	17.4	38.4	1
345420-512	White Flush Mount Manifold Cabinet 28W	Up to 8	1	20.3	44.8	1
345430-512	White Flush Mount Manifold Cabinet 36W	Up to 11	1	23.2	51.1	1
345440-512	White Flush Mount Manifold Cabinet 44W	Up to 12	1	26.6	58.6	1
345450-512	White Flush Mount Manifold Cabinet 50W	Up to 12	1	30.1	66.4	1

PRO-BALANCE manifold cabinets for flush installation. The cabinets are made from galvanized steel and the frame/door assembly is basic white powder coat finish (RAL 9016 / Pantone 705). Internal brackets allow for mounting of PRO-BALANCE manifolds. Pipe knockouts on both sides allow for pipe connections to the manifold. Cabinet has adjustable legs (0 - 5.7 in / 0 - 15 cm) and screed coverplate (sold separately) to stand the cabinet on the floor with an existing opening. Legs may be removed and the enclosure can be mounted in the wall cavity. The frame/door assembly is adjustable to account for the thickness of the gypsum or other wall coverings (0 - 1.5 in / 0 - 4 cm). Steel door includes cam latch. Keyed locks can be added separately, see (Art. 217688-001)



**PRO-BALANCE White Flush Mount Manifold Cabinet Screed Plates**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
217637-001	Screed Coverplate for White Flush Cabinet 16W	1	0.7	1.5	1
217642-001	Screed Coverplate for White Flush Cabinet 20W	1	0.8	1.8	1
217647-001	Screed Coverplate for White Flush Cabinet 28W	1	1.1	2.4	1
217652-001	Screed Coverplate for White Flush Cabinet 36W	1	1.4	3.0	1
217657-001	Screed Coverplate for White Flush Cabinet 44W	1	1.6	3.6	1
217662-001	Screed Coverplate for White Flush Cabinet 50W	1	1.8	4.1	1

Manifold cabinet screed coverplate used to finish opening for flush mounted cabinets when installed standing on the floor.

**PRO-BALANCE Manifold Cabinet Locks**

Article No.	Description	Mounting Hole	Unit Weight		Minimum Order
			g	lb	
217688-001	Keyed Lock for 3XXXXX Manifold Cabinets	19 mm square	41	0.09	1 set

Manifold cabinet lock with two keys can be used to replace the pre-installed clip-locks on manifold cabinets.



## 8. Zone controls and thermostats



### Manifold Actuator Controls– Wiring Junction Box with Transformers

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298276-001	4 Manifold Actuator Control	1	2.45	5.45	1
298286-001	6 Manifold Actuator Control	1	2.68	5.87	1

The REHAU manifold actuator controls are designed to simplify the wiring process. Easy to follow PC board and secure screw terminal layout eliminates problems caused by incorrect wiring. External indicator lights confirm operation sequence and diagnostic feedback. The unit includes two built-in 40 VA transformers. Extra fuses provided.



### Zone Pump Relay Controls– Wiring Junction Box with Transformer and Priority

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298726-001	3 Zone Pump Relay Control	1	1.49	3.28	1
298756-001+	4 Zone Pump Relay Control	1	1.52	3.35	1
298766-001	6 Zone Pump Relay Control	1	1.64	3.62	1

+ This item is not stocked. Lead times may vary.

The REHAU zone pump relay controls are designed to simplify the wiring process. Easy to follow PC board and secure screw terminal layout eliminates problems caused by incorrect wiring. External indicator lights confirm operation sequence and diagnostic feedback. Each unit includes a 15 VA transformer ready to power thermostats. Relays are individually fuse protected. Two spare fuses built-in.



### Zone Control Modules

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243047-001	Zone Control, 4 Zone Module	1	0.45	1.0	1
243077-001+	Zone Control, 6 Zone Module	1	0.56	1.2	1

+ This item is not stocked. Lead times may vary.

The zone control module provides a convenient low-voltage wiring panel for thermostats and manifold valve actuators. The zone control module is for use with REHAU thermostats (Art. 236477-001, 236487-001, 398022-001 and 398023-001) and manifold valve actuators (Art. 260166, 260167).

The zone control module may control up to four zones (thermostats), with up to eight actuators (maximum two per zone). Each zone has a terminal for end-switch wires, provided on REHAU manifold valve actuators, to operate circulator pumps, boiler, etc. (through a separate low-voltage relay). For more than four zones (thermostats), additional modules can be connected using standard wire.

**Dual Sensing Dial Thermostats**



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236477-001	Dual Sensing Dial Thermostat	1	84	0.185	1

The display on this 3-wire thermostat is a simple easy-to-use dial with a red LED that is lit when there is a call for heat. With the optional floor sensor, this thermostat can regulate either the floor or the room temperature or both, in which case the floor sensor is used as a temperature limiter, either high or low limit. This thermostat also comes with both °F and °C dials.

This thermostat has a 4x DIP switch which allows for limited programming and system configuration. This includes setting high and low floor temperature limits and allowing the thermostat to operate as a simple on/off switch or with PWM anticipation logic.

This thermostat can directly control up to four manifold valve actuators (Art. 260166), either independently or when used with REHAU electronic controls. The thermostat may also be used to control relays and other low voltage controls. This thermostat uses silent operation electronic triac output. 18 AWG or similar wire is recommended for all 24 VAC wiring.

Notes:

- Floor/slab sensor requires two additional wires—from slab sensor to thermostat
- Daily programming is not offered on this thermostat
- Requires 24 VAC power source
- For optional floor sensor use Art. 236497-001

**Dual Sensing Digital Thermostats**



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236487-002	Dual Sensing Digital Thermostat	1	96	0.21	1

This 3-wire thermostat offers system set-up capabilities with simple, easy-to-use menus. There is a reduced operating mode which may be used for nighttime and vacation periods. With the optional floor sensor this thermostat can regulate either the floor or the room temperature or both. In that case the floor sensor is used as a temperature limiter, either high or low limit. Additional features include pump exercise, °F or °C capabilities and air/floor priority.

This thermostat can directly control up to four manifold valve actuators (Art. 260166), either independently or when used with REHAU electronic controls. Thermostat may also be used to control relays and other low voltage controls. This thermostat uses silent operation electronic triac output. 18 AWG or similar wire is recommended for all 24 VAC wiring.

Notes:

- Floor/slab sensor requires two additional wires—from slab sensor to thermostat
- Requires 24 VAC power source
- For optional floor sensor use Art. 236497-001

**10K Floor Sensors**



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236497-001	10K Floor Sensor (9.8 ft / 3 m)	1	62	0.14	1

Optional floor sensor for dual sensing thermostats. To be used only with Dual Sensing Dial Thermostat (Art. 236477-001) or Dual Sensing Digital Thermostat (Art. 236487-001).

**Single-Stage Non-programmable Radiant Heating Thermostats With Floor Sensor**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
398022-001*	Single-stage Non-programmable RFH Thermostat (519)	1	0.27	0.60	1

\* This item is not stocked. Lead times may vary.

Single-stage non-programmable radiant heating thermostat with floor sensor is designed specifically to control hydronic radiant heating zones using pulse width modulation (PWM) technology. Simple up and down buttons and a display with large type make this thermostat easy to read and use. Included slab sensor measures radiant floor temperature to protect the floor from overheating and to enhance comfort.

The thermostat requires 24 VAC power supply and can be used to directly control up to seven REHAU manifold actuators (Art. 260166, 260167). This thermostat can also be used with REHAU zone controls. 4-conductor 18 AWG or similar wire is recommended for all 24 VAC wiring.



**Two-stage Programmable Radiant Heating Thermostats with Floor Sensor**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
398023-001	Two-stage Programmable RFH Thermostat (521)	1	0.27	0.60	1

Two-stage programmable radiant heating thermostat offers three modes of operation: one stage of heating, one stage of heating and one stage of cooling with fan, or two stages of heating with fan. Included slab sensor measures radiant floor temperature to protect the floor from overheating and to enhance comfort. The programmable schedule supports either a 7-day or 24-hour schedule with 2 or 4 events per day. A permanent temperature hold button overrides the programmable schedule.

The thermostat requires 24 VAC power supply and can be used to directly control up to seven REHAU manifold actuators (Art. 260166, 260167). This thermostat can also be used with REHAU zone controls. 4-conductor 18 AWG or similar wire is recommended for all 24 VAC wiring.



**Accessories for Digital Thermostats**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
236397	Floor Sensor for Digital Thermostat	1	26	0.06	1
315837-001*	Adapter Plate for Thermostats (519)(521)	1	50	0.10	1

\* This item is not stocked. Lead times may vary.

The floor sensor (Art. 236397) can be used for floor warming applications and/or to help limit (maximum and/or minimum) floor temperatures. Sensor is completely encased in a protective jacket and can be encased in concrete (it is recommended to slide sensor through a short protective conduit where the wires enter/exit the concrete or gypsum cement). Sensor comes with 10 ft (3 m) of 2-conductor wire.

The Adaptor Plate (Art. 315837-001) covers the paint ring left behind when replacing other thermostats, so that no patching or painting the wall is required. The plate also allows the thermostat to be installed onto a single-gang electrical box and includes screws for mounting the adaptor plate and the device that attaches to it. This adaptor is compatible with thermostats Art. 398022-001 and Art. 398023-001.



**Flush Mount Indoor Sensors**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
315838-001*	Flush Mount Indoor Sensor	1	50	0.1	1

\* This item is not stocked. Lead times may vary.

The flush mount indoor sensor mounts flush or nearly flush to the wall. Sensor material is corrosion resistant, allowing drywall installers to mud over the sensor, or the sensor can be painted to match the existing wall color. The sensor can only be connected to thermostats Art. 398022-001 or Art. 398023-001 for remote temperature sensing.



**4-wire Manifold Valve Actuator for PRO-BALANCE Manifolds**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
260166	4-wire Manifold Valve Actuator	1	131	0.29	1

The 4-wire manifold valve actuator is used to open and close circuit valves on the 1 and 1 1/4 in. PRO-BALANCE manifolds. Use REHAU thermostats to control actuators directly, or connect through REHAU electronic controls.

Features and specifications:

- Gray position indicator provides visual verification of the actuator's position. When the actuator is off and closed, the gray indicator is flush with the top of the actuator. When the actuator is on and open, the gray indicator will rise out of the top of the actuator and be visible from the side.
- Red pull-out tab is provided to allow easy installation onto the manifold. After installation, remove red tab.
- A dry-contact end switch is built into the actuator. This end switch can be used to operate 24 VAC (2 amps max.) relays for pumps and other devices and can be wired so that pumps turn on only when actuator is fully open.
- If required, connect the green end switch wires to a suitable 24 VAC-powered relay to activate a device to be operated by the actuator's end switch or connect these wires directly into an appropriate zone control module.
- 24 VAC "thermal motor" heating element melts a wax cartridge, allowing the actuator to open when there is a call for heat (power on). When the power is off, the wax cools and closes the valve (normally closed). Operation takes 3-4 minutes.
- 4 wires: blue/brown – apply 24 VAC power; green (2) – end switch. Length – 40 in (100 cm).
- Ambient operating temperature range of 32 to 140°F (0 to 60°C).
- Low power draw: approximately 2 VA in operation. Maximum 4.5 VA when first powered. Ensure transformer has sufficient power (VA) to operate all actuators.

**RA Two-way Zone Valves**



Article No.	Description	Cv	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
260027	3/4 in. FPT x 3/4 in. MPT RA Valve	2.7	1	0.44	0.97	1
260037	1 in. FPT x 1 in. MPT RA Valve	2.8	1	0.67	1.48	1

Build your own balancing manifold with these attachments for copper manifolds. Can be combined with the manifold valve actuator for RA valve (Art. 260167) for electric thermostat control (not the standard manifold valve actuator Art. 260166). 3/4 and 1 in. RA valve connections are as noted.

**Manifold Valve Actuator for RA Valves**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
260167	Manifold Valve Actuator for RA Valve	1	0.14	0.30	1

The 4-wire manifold valve actuator is a special version for use with RA valves. This includes balancing valves for 3/4 and 1 in. (Art. 260027 and 260037).

# 9. EVERLOC+ compression-sleeve system

EVERLOC+ compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with EVERLOC+ compression-sleeve tools. Follow all published REHAU Technical Guidelines. EVERLOC+ polymer fittings are produced from a polyphenylsulfone (PPSU) material. EVERLOC+ LF brass fittings are produced from ECO Brass® (UNS C69300 or CW724R). EVERLOC+ compression sleeves are produced using a specially formulated PEXa material and are designed specifically for use with EVERLOC+ fittings. All EVERLOC+ fittings and sleeves comply with the lead-free requirements of the U.S. Safe Drinking Water Act. Order PEXa compression sleeves separately from fittings. EVERLOC+ polymer fittings and sleeves are manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.



EVERLOC+ PEXa Compression Sleeves							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104815-001	3/8 in. EVERLOC+ PEXa Sleeve	50	600	2.72	0.006	1 bag	
104816-001	1/2 in. EVERLOC+ PEXa Sleeve	100	400	3.17	0.007	1 box	
104817-001	5/8 in. EVERLOC+ PEXa Sleeve	50	250	5.44	0.012	1 bag	
104818-001	3/4 in. EVERLOC+ PEXa Sleeve	50	150	8.62	0.019	1 box	
104819-001	1 in. EVERLOC+ PEXa Sleeve	20	80	15.88	0.035	1 box	
104820-001	1 1/4 in. EVERLOC+ PEXa Sleeve	10	50	20.41	0.045	1 box	
104821-001	1 1/2 in. EVERLOC+ PEXa Sleeve	10	30	24.95	0.055	1 box	
104822-001	2 in. EVERLOC+ PEXa Sleeve	5	15	29.48	0.065	1 box	



EVERLOC+ Straight Couplings							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
317138-001	3/8 x 3/8 in. EVERLOC+ LF Brass Coupling	-	100	19.50	0.04	1 box	
104824-001	1/2 x 1/2 in. EVERLOC+ Polymer Coupling	10	100	4.08	0.01	1 bag	
317142-001	5/8 x 5/8 in. EVERLOC+ LF Brass Coupling	-	40	48.53	0.11	1 box	
104825-001	3/4 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	12.25	0.03	1 bag	
104826-001	1 x 1 in. EVERLOC+ Polymer Coupling	10	50	22.23	0.05	1 bag	
104827-001	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Coupling	1	10	40.37	0.09	1 bag	
104828-001	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Coupling	1	10	71.21	0.16	1 bag	
104829-001	2 x 2 in. EVERLOC+ Polymer Coupling	1	10	125.19	0.28	1 bag	



EVERLOC+ Reducer Couplings							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104830-001	3/4 x 1/2 in. EVERLOC+ Polymer Coupling	10	100	8.62	0.02	1 bag	
426294-001	3/4 x 5/8 in. EVERLOC+ LF Brass Coupling	-	20	68.0	0.15	1 box	
426297-001	1 x 1/2 in. EVERLOC+ LF Brass Coupling	-	10	90.7	0.20	1 box	
104831-001	1 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	17.69	0.04	1 bag	
425026-001	1 1/4 x 3/4 in. EVERLOC+ LF Brass Coupling	-	10	151.36	0.33	1 box	
104832-001	1 1/4 x 1 in. EVERLOC+ Polymer Coupling	1	10	32.66	0.07	1 bag	
425028-001	1 1/2 x 3/4 in. EVERLOC+ LF Brass Coupling	-	6	225.84	0.50	1 box	
104833-001	1 1/2 x 1 in. EVERLOC+ Polymer Coupling	1	10	49.90	0.11	1 bag	
422233-001	1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	6	304.36	0.67	1 box	
425029-001	2 x 1/2 in. EVERLOC+ LF Brass Coupling	-	2	363.01	0.80	1 box	
425031-001	2 x 3/4 in. EVERLOC+ LF Brass Coupling	-	2	374.63	0.83	1 box	
317139-001	2 x 1 in. EVERLOC+ LF Brass Coupling	-	2	395.59	0.87	1 box	
317140-001	2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	2	424.66	0.94	1 box	
317141-001	2 x 1 1/2 in. EVERLOC+ LF Brass Coupling	-	2	480.07	1.00	1 box	



**EVERLOC+ Straight Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104835-001	1/2 x 1/2 x 1/2 in. EVERLOC+ Polymer Tee	10	50	8.62	0.02	1 bag
104836-001	3/4 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	10	50	23.59	0.05	1 bag
104837-001	1 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	42.64	0.09	1 bag
104838-001	1 1/4 x 1 1/4 x 1 1/4 in. EVERLOC+ Polymer Tee	1	10	78.47	0.17	1 bag
104839-001	1 1/2 x 1 1/2 x 1 1/2 in. EVERLOC+ Polymer Tee	1	5	136.53	0.30	1 bag
104840-001	2 x 2 x 2 in. EVERLOC+ Polymer Tee	1	5	245.85	0.54	1 bag



**EVERLOC+ Run Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104841-001	3/4 x 1/2 x 3/4 in. EVERLOC+ Polymer Tee	10	50	19.50	0.04	1 bag
104842-001	1 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	37.65	0.08	1 bag
317143-001	1 1/4 x 1 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	328.85	0.73	1 box
317144-001	1 1/2 x 1 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	517.09	1.14	1 box
317145-001	1 1/2 x 1 1/4 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	553.38	1.22	1 box
317146-001	2 x 1 1/4 x 2 in. EVERLOC+ LF Brass Tee	-	1	830.07	1.83	1 box
317147-001	2 x 1 1/2 x 2 in. EVERLOC+ LF Brass Tee	-	1	898.11	1.98	1 box



**EVERLOC+ Branch Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104844-001	3/4 x 3/4 x 1/2 in. EVERLOC+ Polymer Tee	10	50	18.14	0.04	1 bag
104846-001	1 x 1 x 1/2 in. EVERLOC+ Polymer Tee	5	25	29.48	0.07	1 bag
104845-001	1 x 1 x 3/4 in. EVERLOC+ Polymer Tee	5	25	35.83	0.08	1 bag
424991-001	1 1/4 x 1 1/4 x 1/2 in. EVERLOC+ LF Brass Tee	-	2	257.30	0.57	1 box
322832-001	1 1/4 x 1 1/4 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	283.60	0.63	1 box
104847-001	1 1/4 x 1 1/4 x 1 in. EVERLOC+ Polymer Tee	1	10	65.77	0.15	1 bag
425024-001	1 1/2 x 1 1/2 x 1/2 in. EVERLOC+ LF Brass Tee	-	2	394.15	0.87	1 box
322833-001	1 1/2 x 1 1/2 x 3/4 in. EVERLOC LF Brass Tee	-	2	424.33	0.94	1 box
104848-001	1 1/2 x 1 1/2 x 1 in. EVERLOC+ Polymer Tee	1	5	102.51	0.23	1 bag
317149-001	1 1/2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	535.24	1.18	1 box
424995-001	2 x 2 x 1/2 in. EVERLOC+ LF Brass Tee	-	1	662.03	1.46	1 box
322834-001	2 x 2 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	696.39	1.54	1 box
104849-001	2 x 2 x 1 in. EVERLOC+ Polymer Tee	1	5	168.74	0.37	1 bag
317150-001	2 x 2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	757.50	1.67	1 box
317151-001	2 x 2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	852.75	1.88	1 box



**EVERLOC+ Branch and Run Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104851-001	3/4 x 1/2 x 1/2 in. EVERLOC+ Polymer Tee	10	50	13.61	0.03	1 bag
104852-001	1 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag
424989-001	1 1/4 x 1 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	244.68	0.54	1 box
104853-001	1 1/4 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	56.25	0.12	1 bag
424992-001	1 1/2 x 1 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	324.03	0.71	1 box
317152-001	1 1/2 x 1 x 1 in. EVERLOC+ LF Brass Tee	-	2	371.04	0.82	1 box
425025-001	1 1/2 x 1 1/4 x 3/4 in. EVERLOC+ LF Brass Tee	-	2	365.16	0.81	1 box
317153-001	1 1/2 x 1 1/4 x 1 in. EVERLOC+ LF Brass Tee	-	2	404.60	0.89	1 box
317154-001	1 1/2 x 1 1/4 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	462.66	1.02	1 box
424994-001	2 x 1 1/2 x 3/4 in. EVERLOC+ LF Brass Tee	-	1	578.65	1.28	1 box1
317156-001	2 x 1 1/2 x 1 in. EVERLOC+ LF Brass Tee	-	1	607.81	1.34	1 box
317161-001	2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	666.78	1.47	1 box
317155-001	2 x 1 1/2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	762.03	1.68	1 box



**EVERLOC+ Bullhead Tees (A x B x C)**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104854-001	1/2 x 1/2 x 3/4 in. EVERLOC+ Polymer Tee	10	50	14.06	0.03	1 bag
104855-001	3/4 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag



**EVERLOC+ 90° Elbows, PEX to PEX**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104859-001	1/2 x 1/2 in. EVERLOC+ Polymer Elbow	15	75	6.35	0.01	1 bag
317163-001	5/8 x 5/8 in. EVERLOC+ LF Brass Elbow	-	50	67.13	0.15	1 box
104860-001	3/4 x 3/4 in. EVERLOC+ Polymer Elbow	10	50	17.69	0.04	1 bag
104861-001	1 x 1 in. EVERLOC+ Polymer Elbow	5	30	33.11	0.07	1 bag
104862-001	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Elbow	1	10	60.78	0.13	1 bag
104863-001	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Elbow	1	10	102.97	0.23	1 bag
104864-001	2 x 2 in. EVERLOC+ Polymer Elbow	1	5	187.33	0.41	1 bag



**EVERLOC+ 45° Elbows, PEX to PEX**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
425021-001	1 1/2 x 1 1/2 in. EVERLOC+ LF Brass 45° Elbow	2	364.48	0.80	1 box
425022-001	2 x 2 in. EVERLOC+ LF Brass 45° Elbow	2	642.83	1.42	1 box

**EVERLOC+ 90° Elbows, PEX to Copper**



Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317164-001	1/2 x 1/2 in. C Male or 3/8 in. C Female EVERLOC+ LF Brass Elbow	50	37.65	0.08	1 box
317165-001	1/2 x 1/2 in. C Female EVERLOC+ LF Brass Elbow	25	66.28	0.15	1 box
317166-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Elbow	25	90.26	0.20	1 box
317167-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Elbow	20	115.21	0.25	1 box

**EVERLOC+ 90° Elbows, PEX to FPT/MPT**



Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317170-001	1/2 x 1/2 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	20	85.73	0.19	1 box
317168-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Drop Ear Elbow	20	85.73	0.19	1 box
428824-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Elbow	20	70.30	0.15	1 box
422006-001	3/4 x 3/4 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	8	158.76	0.35	1 box
425476-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Drop Ear Elbow	10	129.85	0.29	1 box
317169-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Elbow	10	99.79	0.22	1 box
422007-001	1 x 1 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	5	250.62	0.55	1 box

**EVERLOC+ Adapters, PEX to Copper**



Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317184-001	1/2 x 1/2 in. C Female EVERLOC+ LF Brass Adapter	35	28.58	0.06	1 box
317185-001	1/2 x 1/2 in. C Male or 3/8 in. C Female EVERLOC+ LF Brass Adapter	75	22.68	0.05	1 box
322835-001	1/2 x 3/4 in. C Female EVERLOC+ LF Brass Adapter	20	44.39	0.06	1 box
325164-001	3/4 x 1/2 in. C Female EVERLOC+ LF Brass Adapter	20	45.30	0.10	1 box
325165-001	3/4 x 1/2 in. C Male EVERLOC+ LF Brass Adapter	20	44.76	0.10	1 box
317189-001	3/4 x 1 in. C Female EVERLOC+ LF Brass Adapter	5	92.99	0.21	1 box
317186-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Adapter	30	69.85	0.15	1 box
317187-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Adapter	20	95.25	0.21	1 box
317190-001	1 x 1 in. C Male EVERLOC+ LF Brass Adapter	15	115.21	0.25	1 box
317191-001	1 x 1 in. C Female EVERLOC+ LF Brass Adapter	15	142.43	0.31	1 box
317192-001	1 1/4 x 1 1/4 in. C Male EVERLOC+ LF Brass Adapter	10	177.81	0.39	1 box
317193-001	1 1/4 x 1 1/4 in. C Female EVERLOC+ LF Brass Adapter	10	215.46	0.48	1 box
317194-001	1 1/2 x 1 1/2 in. C Male EVERLOC+ LF Brass Adapter	5	282.59	0.62	1 box
317195-001	1 1/2 x 1 1/2 in. C Female EVERLOC+ LF Brass Adapter	5	494.42	1.09	1 box
317196-001	2 x 2 in. C Male EVERLOC+ LF Brass Adapter	2	585.13	1.29	1 box
317197-001	2 x 2 in. C Female EVERLOC+ LF Brass Adapter	2	721.21	1.59	1 box



**EVERLOC+ MPT Adapters, PEX to MPT**

Article No.	Description	Box Quantity		Unit Weight		Minimum Order
				g	lb	
317174-001	3/8 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	40		38.56	0.09	1 box
317171-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	40		44.91	0.10	1 box
317175-001	5/8 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	30		57.15	0.13	1 box
317176-001	5/8 x 3/4 in. MPT or 1/2 in. C Female EVERLOC+ LF Brass Adapter	30		84.82	0.19	1 box
317172-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Adapter	20		76.66	0.17	1 box
317177-001	3/4 x 1 in. MPT EVERLOC+ LF Brass Adapter	20		124.74	0.28	1 box
323708-001	1 x 3/4 in. MPT EVERLOC+ LF Brass Adapter	10		108.47	0.24	1 box
317178-001	1 x 1 in. MPT EVERLOC+ LF Brass Adapter	15		148.32	0.33	1 box
317179-001	1 1/4 x 1 1/4 in. MPT EVERLOC+ LF Brass Adapter	10		246.30	0.54	1 box
317180-001	1 1/2 x 1 1/2 in. MPT EVERLOC+ LF Brass Adapter	5		373.76	0.82	1 box
317181-001	2 x 2 in. MPT EVERLOC+ LF Brass Adapter	2		576.06	1.27	1 box



**EVERLOC+ FPT Adapters, PEX to FPT**

Article No.	Description	Box Quantity		Unit Weight		Minimum Order
				g	lb	
317173-001	1/2 x 1/2 in. FPT EVERLOC+ LF Brass Adapter	40		51.26	0.11	1 box
317182-001	3/4 x 3/4 in. FPT EVERLOC+ LF Brass Adapter	20		87.54	0.19	1 box
329227-001	1 x 3/4 in. FPT EVERLOC+ LF Brass Adapter	10		116.01	0.26	1 box
317183-001	1 x 1 in. FPT EVERLOC+ LF Brass Adapter	10		143.34	0.32	1 box



**EVERLOC+ Plugs**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104856-001	1/2 in. EVERLOC+ Polymer Plug	30	150	2.27	0.005	1 bag
317157-001	5/8 in. EVERLOC+ LF Brass Plug	-	60	28.94	0.064	1 box
104857-001	3/4 in. EVERLOC+ Polymer Plug	20	100	6.35	0.014	1 bag
104858-001	1 in. EVERLOC+ Polymer Plug	10	50	11.34	0.025	1 bag
317158-001	1 1/4 in. EVERLOC+ LF Brass Plug	-	20	133.57	0.295	1 box
317159-001	1 1/2 in. EVERLOC+ LF Brass Plug	-	20	214.15	0.472	1 box
317160-001	2 in. EVERLOC+ LF Brass Plug	-	10	388.28	0.856	1 box



**Straight Ball Valves, EVERLOC+ to Copper**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418433-001	1/2 in. EVERLOC+ x 1/2 in. C Female Valve	18		120	0.27	1 box
418429-001	3/4 in. EVERLOC+ x 3/4 in. C Female Valve	8		205	0.45	1 box

Make solder connection before connecting RAUPEX pipe.



**Straight Ball Valves, EVERLOC+ to EVERLOC+**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
		Box	g	lb	
418435-001	1/2 x 1/2 in. EVERLOC+ Valve	18	136	0.30	1 box
418434-001	3/4 x 3/4 in. EVERLOC+ Valve	8	215	0.47	1 box



**EVERLOC+ Polymer Closed-end Multi-port Tees**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
104867-001	3/4 in. Inlet, (3) 1/2 in. Outlets, EVERLOC+ Polymer Closed-end Multi-port Tee	15	25.40	0.056	1 box
104868-001	3/4 in. Inlet, (4) 1/2 in. Outlets, EVERLOC+ Polymer Closed-end Multi-port Tee	15	32.21	0.071	1 box



**EVERLOC+ Polymer Flow-through Multi-port Tees**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
104869-001	3/4 x 3/4 in. Inlets, (2) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	24.49	0.054	1 box
104870-001	3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	31.29	0.069	1 box
104871-001	3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	37.19	0.082	1 box



**EVERLOC+ Polymer Elbow Flow-through Multi-port Tees**

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
104872-001	3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets, EVERLOC+ Polymer Elbow Flow-through Multi-port Tee	15	35.83	0.079	1 box
104873-001	3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ Polymer Elbow Flow-through Multi-port Tee	15	42.18	0.093	1 box

**EVERLOC+ LF Brass Closed-end Copper Multi-port Tees**



Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104892-001	1 in. Inlet, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	281.47	0.62	1 box
104893-001	3/4 in. Inlet, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	391.30	0.86	1 box
104894-001	1 in. Inlet, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	392.96	0.87	1 box
108465-001	1 in. Inlet, (8) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	453.59	1.00	1 box
108466-001	1 in. Inlet, (10) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	508.02	1.12	1 box

Copper multi-port tees are 1 in. Type L copper with EVERLOC+ LF brass fittings brazed into the header and comply with the lead-free requirements of the U.S. Safe Drinking Water Act

**EVERLOC+ LF Brass Flow-through Copper Multi-port Tees**



Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104895-001	1 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	317.89	0.70	1 box
104896-001	1 x 1 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	341.69	0.75	1 box
104897-001	3/4 x 3/4 in. Inlets, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	375.66	0.83	1 box
104898-001	1 x 3/4 in. Inlets, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	402.64	0.89	1 box

Copper multi-port tees 1 in. Type L copper with EVERLOC+ LF brass fittings brazed into the header and comply with the lead-free requirements of the U.S. Safe Drinking Water Act

**EVERLOC+ LF Brass Horizontal Copper Multi-port Tees**



Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104899-001	3/4 x 3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Horizontal Multi-port Tee	10	368.07	0.81	1 box

Copper multi-port tees are 1 in. Type L copper with EVERLOC+ LF brass fittings brazed into the header and comply with the lead-free requirements of the U.S. Safe Drinking Water Act

**EVERLOC+ LF Brass Cut-to-Length Copper Manifolds**



Article No.	Description	Package Quantity Box	Unit Weight kg	Unit Weight lb	Minimum Order
104902-001	1 in. Header, (24) 1/2 in. Outlets, EVERLOC+ LF Brass Cut-to-Length Manifold	5	2.06	4.54	1 box

Copper manifolds are 1 in. Type L copper with EVERLOC+ LF brass fittings brazed into the header and comply with the lead-free requirements of the U.S. Safe Drinking Water Act

# 10. F1960 cold expansion fittings

REHAU F1960 cold expansion fittings and rings are for use with REHAU PEXa pipes only. The maximum temperature and pressure ratings of the REHAU F1960 fitting system is in accordance with ASTM F877 and CSA B137.5 for SDR9 PEX, see REHAU pipe product submittals for ratings. Installation is performed with commercially available F1960 cold expansion tools. Follow all published REHAU Technical Guidelines. All REHAU F1960 fittings and rings comply with the lead-free (LF) requirements of the U.S. Safe Drinking Water Act.



### F1960 PEX Reinforcing Rings

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499701-001	F1960 PEX Reinforcing Ring, 3/8 in.	50	2.10	0.005	1 package
499702-001	F1960 PEX Reinforcing Ring, 1/2 in.	250	2.27	0.005	1 package
499703-001	F1960 PEX Reinforcing Ring, 5/8 in.	50	4.30	0.009	1 package
499704-001	F1960 PEX Reinforcing Ring, 3/4 in.	100	4.54	0.010	1 package
499705-001	F1960 PEX Reinforcing Ring, 1 in.	50	9.07	0.020	1 package
499706-001	F1960 PEX Reinforcing Ring, 1 1/4 in.	10	14.00	0.031	1 package
499707-001	F1960 PEX Reinforcing Ring, 1 1/2 in.	10	19.30	0.043	1 package
499708-001	F1960 PEX Reinforcing Ring, 2 in.	10	52.90	0.117	1 package



### F1960 Straight Couplings

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499716-001	F1960 LF Brass Coupling, 3/8 x 3/8 in.	50	17.20	0.038	1 package
499709-001	F1960 Polymer Coupling, 1/2 x 1/2 in.	50	4.54	0.010	1 package
499713-001	F1960 LF Brass Coupling, 5/8 x 5/8 in.	25	43.20	0.095	1 package
499710-001	F1960 Polymer Coupling, 3/4 x 3/4 in.	25	9.07	0.020	1 package
499711-001	F1960 Polymer Coupling, 1 x 1 in.	10	15.88	0.035	1 package
499712-001	F1960 Polymer Coupling, 1 1/4 x 1 1/4 in.	5	29.90	0.066	1 package
499714-001	F1960 Polymer Coupling, 1 1/2 x 1 1/2 in.	5	43.30	0.095	1 package
499715-001	F1960 Polymer Coupling, 2 x 2 in.	5	104.70	0.231	1 package



### F1960 Reducer Couplings

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499717-001	F1960 Polymer Coupling, 3/4 x 1/2 in.	25	9.07	0.020	1 package
490319-001	F1960 Polymer Coupling, 1 x 1/2 in.	25	13.61	0.030	1 package
499718-001	F1960 Polymer Coupling, 1 x 3/4 in.	20	13.61	0.030	1 package
499721-001	F1960 Polymer Coupling, 1 1/4 x 3/4 in.	10	22.80	0.050	1 package
499719-001	F1960 Polymer Coupling, 1 1/4 x 1 in.	10	25.10	0.055	1 package
499723-001	F1960 Polymer Coupling, 1 1/2 x 1 1/4 in.	5	39.40	0.087	1 package
499724-001	F1960 Polymer Coupling, 2 x 1 1/2 in.	5	82.10	0.181	1 package



**F1960 Straight Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499728-001	F1960 Polymer Tee, 1/2 x 1/2 x 1/2 in.	50	9.07	0.020	1 package
499843-001	F1960 LF Brass Tee, 5/8 x 5/8 x 5/8 in.	25	137.60	0.303	1 package
499729-001	F1960 Polymer Tee, 3/4 x 3/4 x 3/4 in.	25	15.88	0.035	1 package
499730-001	F1960 Polymer Tee, 1 x 1 x 1 in.	10	31.75	0.070	1 package
499731-001	F1960 Polymer Tee, 1 1/4 x 1 1/4 x 1 1/4 in.	5	56.70	0.125	1 package
499732-001	F1960 Polymer Tee, 1 1/2 x 1 1/2 x 1 1/2 in.	5	76.60	0.169	1 package
499733-001	F1960 Polymer Tee, 2 x 2 x 2 in.	2	202.50	0.446	1 package



**F1960 Run Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499734-001	F1960 Polymer Tee, 3/4 x 1/2 x 3/4 in.	25	15.88	0.035	1 package
499844-001	F1960 Polymer Tee, 3/4 x 5/8 x 3/4 in.	10	16.90	0.037	1 package
499845-001	F1960 Polymer Tee, 1 x 1/2 x 1 in.	10	27.80	0.061	1 package
499735-001	F1960 Polymer Tee, 1 x 3/4 x 1 in.	10	29.48	0.065	1 package
499846-001	F1960 Polymer Tee, 1 1/4 x 3/4 x 1 1/4 in.	5	48.60	0.107	1 package
499736-001	F1960 Polymer Tee, 1 1/4 x 1 x 1 1/4 in.	5	51.40	0.113	1 package
499847-001	F1960 Polymer Tee, 1 1/2 x 3/4 x 1 1/2 in.	5	64.10	0.141	1 package
499737-001	F1960 Polymer Tee, 1 1/2 x 1 x 1 1/2 in.	5	67.40	0.148	1 package
499848-001	F1960 Polymer Tee, 1 1/2 x 1 1/4 x 1 1/2 in.	5	72.40	0.159	1 package
499849-001	F1960 Polymer Tee, 2 x 1 x 2 in.	2	170.10	0.375	1 package
499850-001	F1960 Polymer Tee, 2 x 1 1/4 x 2 in.	2	172.40	0.380	1 package
499738-001	F1960 Polymer Tee, 2 x 1 1/2 x 2 in.	2	177.10	0.390	1 package



**F1960 Branch Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499739-001	F1960 Polymer Tee, 3/4 x 3/4 x 1/2 in.	25	13.61	0.030	1 package
499741-001	F1960 Polymer Tee, 1 x 1 x 1/2 in.	10	13.61	0.030	1 package
499740-001	F1960 Polymer Tee, 1 x 1 x 3/4 in.	10	24.95	0.555	1 package
499744-001	F1960 Polymer Tee, 1 1/4 x 1 1/4 x 1/2 in.	5	44.60	0.098	1 package
499743-001	F1960 Polymer Tee, 1 1/4 x 1 1/4 x 3/4 in.	5	47.00	0.104	1 package
499742-001	F1960 Polymer Tee, 1 1/4 x 1 1/4 x 1 in.	5	50.40	0.111	1 package
499753-001	F1960 Polymer Tee, 1 1/2 x 1 1/2 x 3/4 in.	5	62.30	0.137	1 package
499746-001	F1960 Polymer Tee, 1 1/2 x 1 1/2 x 1 in.	5	65.90	0.145	1 package
499747-001	F1960 Polymer Tee, 1 1/2 x 1 1/2 x 1 1/4 in.	5	72.70	0.160	1 package
499752-001	F1960 Polymer Tee, 2 x 2 x 1 in.	2	153.50	0.336	1 package
499748-001	F1960 Polymer Tee, 2 x 2 x 1 1/4 in.	2	158.90	0.350	1 package
499749-001	F1960 Polymer Tee, 2 x 2 x 1 1/2 in.	2	163.20	0.359	1 package



**F1960 Branch and Run Reducing Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499754-001	F1960 Polymer Tee, 3/4 x 1/2 x 1/2 in.	25	11.34	0.025	1 package
499851-001	F1960 Polymer Tee, 1 x 3/4 x 1/2 in.	10	23.60	0.052	1 package
499755-001	F1960 Polymer Tee, 1 x 3/4 x 3/4 in.	10	22.68	0.050	1 package



**F1960 Bullhead Tees (A x B x C)**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499767-001	F1960 Polymer Tee, 1/2 x 1/2 x 3/4 in.	25	11.34	0.025	1 package
499768-001	F1960 Polymer Tee, 3/4 x 3/4 x 1 in.	10	26.31	0.058	1 package



**F1960 Plugs**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499854-001	F1960 LF Brass Plug, 3/8 in.	50	11.50	0.025	1 package
499769-001	F1960 Polymer Plug, 1/2 in.	50	2.27	0.005	1 package
499771-001	F1960 Polymer Plug, 3/4 in.	25	6.80	0.015	1 package
499772-001	F1960 Polymer Plug, 1 in.	10	11.34	0.025	1 package
499773-001	F1960 Polymer Plug, 1 1/4 in.	5	19.60	0.043	1 package
499774-001	F1960 Polymer Plug, 1 1/2 in.	5	30.10	0.066	1 package
499775-001	F1960 Polymer Plug, 2 in.	5	69.00	0.152	1 package



**F1960 Elbows, PEX to PEX**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499776-001	F1960 Polymer Elbow, 1/2 x 1/2 in.	50	6.80	0.015	1 package
499856-001	F1960 LF Brass Elbow, 5/8 x 5/8 in.	25	118.20	0.260	1 package
490318-001	F1960 Polymer Elbow, 3/4 x 1/2 in.	25	11.79	0.026	1 package
499777-001	F1960 Polymer Elbow, 3/4 x 3/4 in.	25	11.34	0.025	1 package
499778-001	F1960 Polymer Elbow, 1 x 1 in.	10	22.68	0.050	1 package
499779-001	F1960 Polymer Elbow, 1 1/4 x 1 1/4 in.	5	42.40	0.093	1 package
499780-001	F1960 Polymer Elbow, 1 1/2 x 1 1/2 in.	5	53.50	0.118	1 package
499781-001	F1960 Polymer Elbow, 2 x 2 in.	5	151.10	0.333	1 package



**F1960 Elbows, PEX to Copper**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499857-001	F1960 LF Brass Elbow, 5/8 x 3/4 in. C Male	25	95.60	0.211	1 package
499858-001	F1960 LF Brass Elbow, 5/8 x 3/4 in. C Female	25	138.70	0.306	1 package
499784-001	F1960 LF Brass Elbow, 3/4 x 3/4 in. C Male	25	95.25	0.210	1 package
499785-001	F1960 LF Brass Elbow, 3/4 x 3/4 in. C Female	25	113.81	0.295	1 package



**F1960 Elbows, PEX to FPT/MPT**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499786-001	F1960 LF Brass Elbow, 1/2 x 1/2 in. MPT	50	115.0	0.254	1 package
499789-001	F1960 LF Brass Drop Ear Elbow, 1/2 x 1/2 in. FPT	25	113.4	0.250	1 package
499787-001	F1960 LF Brass Drop Ear Elbow, 3/4 x 3/4 in. FPT	10	213.19	0.470	1 package



**F1960 Adapters, PEX to FPT**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499821-001	F1960 LF Brass Adapter, 1/2 x 1/2 in. FPT	50	58.97	0.130	1 package
499819-001	F1960 LF Brass Adapter, 1/2 x 3/4 in. FPT	25	86.18	0.190	1 package
499822-001	F1960 LF Brass Adapter, 3/4 x 3/4 in. FPT	50	86.18	0.190	1 package
499820-001	F1960 LF Brass Adapter, 3/4 x 1 in. FPT	25	170.10	0.375	1 package
499823-001	F1960 LF Brass Adapter, 1 x 1 in. FPT	25	185.97	0.410	1 package
499863-001	F1960 LF Brass Adapter, 1 1/4 x 1 1/4 in. FPT	5	248.70	0.548	1 package
499864-001	F1960 LF Brass Adapter, 1 1/2 x 1 1/2 in. FPT	5	367.30	0.809	1 package
499866-001	F1960 LF Brass Adapter, 2 x 2 in. FPT	5	743.90	1.639	1 package



**F1960 Adapters, PEX to MPT**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
499807-001	F1960 LF Brass Adapter, 1/2 x 1/2 in. MPT	100	52.16	0.115	1 package
499810-001	F1960 LF Brass Adapter, 1/2 x 3/4 in. MPT	25	81.65	0.180	1 package
499808-001	F1960 LF Brass Adapter, 3/4 x 3/4 in. MPT	25	86.18	0.190	1 package
499814-001	F1960 LF Brass Adapter, 3/4 x 1 in. MPT	25	147.72	0.325	1 package
499809-001	F1960 LF Brass Adapter, 1 x 3/4 in. MPT	25	99.79	0.220	1 package
499815-001	F1960 LF Brass Adapter, 1 x 1 in. MPT	25	179.17	0.395	1 package
499816-001	F1960 LF Brass Adapter, 1 1/4 x 1 1/4 in. MPT	5	294.10	0.348	1 package
499817-001	F1960 LF Brass Adapter, 1 1/2 x 1 1/2 in. MPT	5	392.30	0.864	1 package
499818-001	F1960 LF Brass Adapter, 2 x 2 in. MPT	5	614.60	1.354	1 package

**F1960 Adapters, PEX to Copper**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499860-001	F1960 LF Brass Adapter, 3/8 x 1/2 in. C Female	50	22.70	0.500	1 package
499859-001	F1960 LF Brass Adapter, 3/8 x 1/2 in. C Male	50	15.70	0.035	1 package
499794-001	F1960 LF Brass Adapter, 1/2 x 1/2 in. C Female	100	29.48	0.065	1 package
499795-001	F1960 LF Brass Adapter, 1/2 x 1/2 in. C Male	100	22.68	0.050	1 package
499793-001	F1960 LF Brass Adapter, 1/2 x 3/4 in. C Female	50	43.09	0.095	1 package
499790-001	F1960 LF Brass Adapter, 1/2 x 3/4 in. C Male	50	38.46	0.085	1 package
499862-001	F1960 LF Brass Adapter, 5/8 x 3/4 in. C Female	50	62.30	0.137	1 package
499861-001	F1960 LF Brass Adapter, 5/8 x 3/4 in. C Male	50	41.00	0.900	1 package
499792-001	F1960 LF Brass Adapter, 3/4 x 1/2 in. C Male	50	43.09	0.095	1 package
499797-001	F1960 LF Brass Adapter, 3/4 x 3/4 in. C Female	50	65.77	0.145	1 package
499796-001	F1960 LF Brass Adapter, 3/4 x 3/4 in. C Male	50	47.63	0.015	1 package
499798-001	F1960 LF Brass Adapter, 3/4 x 1 in. C Female	25	90.72	0.200	1 package
499791-001	F1960 LF Brass Adapter, 3/4 x 1 in. C Male	25	61.23	0.135	1 package
499800-001	F1960 LF Brass Adapter, 1 x 1 in. C Female	25	108.86	0.240	1 package
499799-001	F1960 LF Brass Adapter, 1 x 1 in. C Male	25	88.45	0.195	1 package
499802-001	F1960 LF Brass Adapter, 1 1/4 x 1 1/4 in. C Female	5	169.10	0.372	1 package
499801-001	F1960 LF Brass Adapter, 1 1/4 x 1 1/4 in. C Male	5	132.10	0.291	1 package
499804-001	F1960 LF Brass Adapter, 1 1/2 x 1 1/2 in. C Female	5	215.20	0.474	1 package
499803-001	F1960 LF Brass Adapter, 1 1/2 x 1 1/2 in. C Male	5	188.10	0.414	1 package
499806-001	F1960 LF Brass Adapter, 2 x 2 in. C Female	5	451.60	0.995	1 package
499805-001	F1960 LF Brass Adapter, 2 x 2 in. C Male	5	462.30	1.108	1 package

**F1960 Polymer Closed-End Multi-port Tees**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499826-001	F1960 Polymer Closed-end Multi-port Tee, 3/4 in. Inlet, (3) 1/2 in. Outlets	10	35.6	0.078	1 package
499827-001	F1960 Polymer Closed-end Multi-port Tee, 3/4 in. Inlet, (4) 1/2 in. Outlets	10	44.4	0.095	1 package
499828-001	F1960 Polymer Closed-end Multi-port Tee, 3/4 in. Inlet, (6) 1/2 in. Outlets	10	69.8	0.154	1 package
499829-001	F1960 Polymer Closed-end Multi-port Tee, 1 in. Inlet, (4) 1/2 in. Outlets	10	61.9	0.136	1 package
499830-001	F1960 Polymer Closed-end Multi-port Tee, 1 in. Inlet, (6) 1/2 in. Outlets	10	83.5	0.184	1 package



<b>F1960 Polymer Flow-through Multi-port Tees</b>					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499831-001	F1960 Polymer Flow-through Multi-port Tee, 3/4 x 3/4 in. Inlets, (2) 1/2 in. Outlets	10	25.9	0.057	1 package
499832-001	F1960 Polymer Flow-through Multi-port Tee, 3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets	10	38.2	0.084	1 package
499833-001	F1960 Polymer Flow-through Multi-port Tee, 3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets	10	45.4	0.100	1 package
499834-001	F1960 Polymer Flow-through Multi-port Tee, 3/4 x 3/4 in. Inlets, (6) 1/2 in. Outlets	10	67.6	0.149	1 package
499840-001	F1960 Polymer Flow-through Multi-port Tee, 1 x 1 in. Inlets, (4) 1/2 in. Outlets	10	58.7	0.129	1 package
499841-001	F1960 Polymer Flow-through Multi-port Tee, 1 x 1 in. Inlets, (6) 1/2 in. Outlets	10	87.3	0.192	1 package



<b>1960 Polymer Flow-through Opposing Port Tees</b>					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
499867-001	F1960 Polymer Flow-through Opposing Port Tee, 3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets	10	30.8	0.068	1 package
499868-001	F1960 Polymer Flow-through Opposing Port Tee, 3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets	10	32.5	0.072	1 package
499869-001	F1960 Polymer Flow-through Opposing Port Tee, 3/4 x 3/4 in. Inlets, (6) 1/2 in. Outlets	10	44.8	0.099	1 package

# 11. RAUPEX compression nut fittings

RAUPEX split-ring compression nut brass fittings are machined from solid brass stock. Integral fitting/insert design provides positive clamping and sealing action with split compression ring.



RAUPEX MPT Adapters							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
267517	3/8 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	35	210	130	0.29	1 bag
260987	1/2 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	25	150	136	0.30	1 bag
267567	5/8 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	25	150	135	0.30	1 bag
260357	3/4 in. RAUPEX x 3/4 in. MPT or 1/2 in. C Female (Sweat)	1	15	90	229	0.50	1 bag
260477	1 in. RAUPEX x 1 in. MPT or 3/4 in. C Female (Sweat)	1	10	60	305	0.67	1 box

Dual adapter fittings connect RAUPEX pipe to threaded fitting (first size) or copper pipe (second size) in sizes indicated. Make solder or threaded connection before connecting to RAUPEX pipe.



RAUPEX Copper Adapters							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
260997	1/2 in. RAUPEX x 1/2 in. C Female (Sweat)	5	30	180	108	0.24	1 bag
260347	3/4 in. RAUPEX x 3/4 in. C Female (Sweat)	1	20	120	166	0.37	1 bag
260467	1 in. RAUPEX x 1 in. C Female (Sweat)	1	10	60	274	0.60	1 bag

Copper adapter fittings connect RAUPEX pipe to copper pipe in sizes indicated. Make solder connection before connecting to RAUPEX pipe.

## 12. Compression nut ball valves



Straight Ball Valves, Compression Nut to Copper							
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order
			Box	Carton	g	lb	
267527	3/8 in. RAUPEX x 1/2 in. C Female (Sweat) Valve	3.0	12	72	230	0.51	1 each
260277	1/2 in. RAUPEX x 1/2 in. C Female (Sweat) Valve	3.0	12	72	177	0.39	1 each
260367	3/4 in. RAUPEX x 3/4 in. C Female (Sweat) Valve	6.2	6	36	340	0.75	1 each

Solder valves in open position. Make solder connection before connecting to RAUPEX pipe.



Balancing Ball Valves, Compression Nut to Copper							
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order
			Box	Carton	g	lb	
260847*	1/2 in. RAUPEX x 1/2 in. C Female (Sweat) Balancing Valve	0 to 3.0	12	72	350	0.78	1 each

\* This item is not stocked. Lead times may vary.

Balancing ball valves combine a balancing screw with a ball valve in one unit. Make solder connection before connecting to RAUPEX pipe.

# 13. Copper manifolds



## Pre-cut Copper Manifolds

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261326	1 in. Copper Manifold, (2) 1/2 in. Outlets	1	0.19	0.43	1
261336	1 in. Copper Manifold, (3) 1/2 in. Outlets	1	0.26	0.58	1
261346	1 in. Copper Manifold, (4) 1/2 in. Outlets	1	0.34	0.75	1

Manifolds are type L copper with open ends in sizes indicated. One end is copper male while the opposite end is flared to copper female (sweat). Manifold pieces may be combined to make longer manifolds. Copper outlets are high-temperature brazed (lead-free) into headers at 2 in. on-center so manifolds cannot be cut to length. 1/2 in. copper outlets are 2 in. long. Use with REHAU fittings and valves to assemble complete manifolds for heating applications.



## Manifold Header Stock

Article No.	Description	Max GPM	Header Size	Outlet Size	Package Quantity	Unit Weight		Minimum Order
						kg	lb	
250810	1 x 1/2 in. Copper Manifold	20	1 in.	1/2 in.	5	2.3	5.1	1
250817	1 x 3/4 in. Copper Manifold	20	1 in.	3/4 in.	4	2.6	5.8	1
250820	1 1/4 x 1/2 in. Copper Manifold	32	1 1/4 in.	1/2 in.	4	3.0	6.5	1
250827	1 1/4 x 3/4 in. Copper Manifold	32	1 1/4 in.	3/4 in.	4	3.2	7.2	1
250830	1 1/2 x 3/4 in. Copper Manifold	44	1 1/2 in.	3/4 in.	3	4.0	8.7	1
250839	2 x 1/2 in. Copper Manifold	75	2 in.	1/2 in.	2	5.3	11.8	1
250840	2 x 3/4 in. Copper Manifold	75	2 in.	3/4 in.	2	5.1	11.2	1

Manifolds are type L copper with open ends in sizes indicated. Copper outlets are high-temperature brazed (lead-free) into headers. Each manifold is 72 in (180 cm) long with 24 outlets at 3 in. on-center, except the 2 x 1 in. copper manifold (Art. 250850) which has 18 outlets at 4 in. on-center. Manifolds can easily be cut to length. Do not exceed maximum flow rates listed above. Use with REHAU fittings and valves to assemble complete manifolds for heating applications.



## Plastic Manifold Brackets

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261266	Plastic Manifold Brackets	1 Set of 2	0.18	0.40	1 set

Brackets are made of reinforced nylon. A 1.57 in (40 mm) offset allows supply/return manifold clearance. These brackets are used with 1 in. and 1 1/4 in. diameter copper manifolds using supplied flexible spacers.



## End Cap Vent Drains

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
250820-ECVD*	1 1/4 in. End Cap Vent Drain	1	0.23	0.50	1
250840-ECVD	2 in. End Cap Vent Drain	1	0.42	0.93	1

\* This item is not stocked. Lead times may vary.

End cap vent drain pieces are for use with copper manifolds for radiant and SIM applications. They allow connection of an automatic air vent (1/8 in. NPT) and a drain valve (1/2 in. NPT) to the end of the copper manifold. Use standard 1/8 in. NPT air vent.

Note: The REHAU automatic air vent (Art. 250212) does not work with the end cap vent drains due to different thread sizes. The REHAU automatic air vent is only for use on PRO-BALANCE brass manifolds.

# 14. Installation accessories



Steel Support Bends							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Box	Carton	g	lb		
258408	3/8 and 1/2 in. Steel Support Bend 90°	10	50	50	0.10	1 box	
258798	5/8 in. Steel Support Bend 90°	10	50	90	0.19	1 box	
257249	3/4 in. Steel Support Bend 90°	10	50	150	0.32	1 box	
268634-001*	3/4 in. Steel Support Bend 45°	10	50	150	0.32	1 box	
261153	1 in. Steel Support Bend 90°	5	50	380	0.84	1 box	

\* This item is not stocked. Lead times may vary.  
 3/8, 1/2, 5/8 and 3/4 in. steel support bends snap over RAUPEX pipe. 1 in. steel support bends slide onto pipe.



Polymer Support Bends with Screw Hole						
Article No.	Description	Box Quantity	Unit Weight		Minimum Order	
			g	lb		
266207	3/8 and 1/2 in. Polymer Support Bend	50	40	0.08	1 box	
266217*	5/8 in. Polymer Support Bend	50	70	0.16	1 box	
266227	3/4 in. Polymer Support Bend	50	70	0.16	1 box	
266237	1 in. Polymer Support Bend	50	100	0.22	1 box	
266727	1 1/4 in. Polymer Support Bend	50	200	0.44	1 box	

\* This item is not stocked. Lead times may vary.



PVC Bend Guides					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
266170-001	3/8 and 1/2 in. PVC Bend Guide	40	64	0.14	1 box
266175-001	5/8 and 3/4 in. PVC Bend Guide	30	142	0.31	1 box
266180	1 in. Schedule 40 PVC Bend Guide	20	378	0.83	1 box



PE Protection Sleeves						
Article No.	Description	Hole Size*	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
236107	Protection Sleeve for 3/8 and 1/2 in. Pipe	1 in.	100 ft (30.4 m) coil	1.4	3.1	1 coil
236117	Protection Sleeve for 5/8 and 3/4 in. Pipe	1 1/4 in.	50 ft (15.2 m) coil	1.1	2.4	1 coil
236127	Protection Sleeve for 1 in. Pipe	1 1/2 in.	50 ft (15.2 m) coil	1.7	3.6	1 coil
236137*	Protection Sleeve for 1 1/4 in. Pipe	2 in.	150 ft (45.7 m) coil	6.1	13.4	1 coil
236147*	Protection Sleeve for 1 1/2 in. Pipe	2 1/2 in.	100 ft (30.4 m) coil	7.8	17.2	1 coil
236157*	Protection Sleeve for 2 in. Pipe	3 in.	100 ft (30.4 m) coil	8.7	19.2	1 coil

\* This item is not stocked. Lead times may vary.  
 \*Recommended hole size to be drilled for proper installation.



**RAUCROSS™ Heat Shrink Tubing**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Quantity	Bag	g	lb	
253615	3/8, 1/2, 5/8 and 3/4 in. Heat Shrink - 3.3 ft (1 m)	40 pcs/bag		82	0.18	1 meter
253625	3/4 and 1 in. Heat Shrink - 3.3 ft (1 m)	35 pcs/bag		122	0.27	1 meter
082351-100	1 1/2 and 1 1/4 in. Heat Shrink - 3.3 ft (1 m)		50 m	304	0.67	1 meter

RAUCROSS heat shrink tubing is for sealing around F2080/SDR11 compression-sleeve joints installed in corrosive environments or buried in soil or in a thermal mass.



**RAILFIX™ Fixing Rails**

Article No.	Description	Slot Spacing in.	Package Quantity		Unit Weight		Minimum Order
			Quantity	Bundle	g	lb	
259238-2M	1/2 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	1	16 pcs/bundle		480	1.06	1 bundle
266247-002	5/8 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	1	16 pcs/bundle		510	1.12	1 bundle
266257	3/4 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	2	16 pcs/bundle		620	1.36	1 bundle

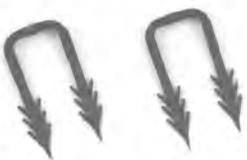
For installation of RAUPEX pipe in a thermal mass or in a sand bed. Polymer material is pre-drilled for fastening.



**Universal Fixing Rails 3/8 to 3/4 in.**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Quantity	Bundle	g	lb	
266407	Universal Fixing Rail for 3/8, 1/2, 5/8 and 3/4 in. RAUPEX - 3.3 ft (1 m)	10 pcs/bundle		205	0.45	1 bundle

Universal fixing rail is molded with alternating small/large tabs to hold pipe in place. The small tabs hold 3/8 and 1/2 in. RAUPEX pipes, while the large tabs hold 5/8 and 3/4 in. RAUPEX pipes. Alternating tabs are spaced at 4 in (10 cm). Flat bottom and pre-drilled holes for mounting. Clips at the end allow pieces to be snapped together to make longer lengths.



**Plastic Holding Pins**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
259268	Plastic Holding Pin	500	5000	1.46	0.003	1 bag

Plastic holding pins are used to secure RAILFIX fixing rail and universal fixing rail (Art. 266407) to rigid insulation.



**Galvanized Support Channels**

Article No.	Description	Length		Package Quantity	Unit Weight		Minimum Order
		m	ft		kg	lb	
225527-001	3/4 in. Steel Support Channel	5.986	19.63	10 pcs/bundle	2.14	4.71	1 bundle
225537-002	1 in. Steel Support Channel	5.956	19.53	10 pcs/bundle	3.27	7.19	1 bundle
225547-002	1 1/4 in. Steel Support Channel	5.942	19.49	8 pcs/bundle	3.91	8.60	1 bundle
225557-002	1 1/2 in. Steel Support Channel	5.926	19.45	6 pcs/bundle	5.59	12.30	1 bundle
225567-002	2 in. Steel Support Channel	5.896	19.33	4 pcs/bundle	6.95	15.29	1 bundle



Locking Clips						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			g	lb		
261496+	3/8 in. Locking Clips	100/bag	4	0.01	1 bag	
261556	1/2 in. Locking Clips	100/bag	5	0.01	1 bag	
261506+	5/8 in. Locking Clips	100/bag	6	0.01	1 bag	
261516	3/4 in. Locking Clips	50/bag	7	0.02	1 bag	
261566	1 in. Locking Clips	50/bag	12	0.03	1 bag	
261576	1 1/4 in. Locking Clips	50/bag	12	0.03	1 bag	
261586	1 1/2 in. Locking Clips	25/bag	18	0.04	1 bag	
261596	2 in. Locking Clips	25/bag	30	0.07	1 bag	

+ This item is not stocked. Lead times may vary.



Talon Drive Hooks and Low Profile Talons					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
260866	Twin Talon Drive Hooks	100/bag	6	0.01	1 bag
260846+	Low Profile 3/8 in. Talons	100/bag	4	0.01	1 bag
261766	Low Profile 1/2 in. Talons	100/bag	4	0.01	1 bag
261776	Low Profile 5/8 in. and 3/4 in. Talons	50/bag	6	0.01	1 bag
261806	Low Profile 1 in. Talons	50/bag	10	0.02	1 bag

+ This item is not stocked. Lead times may vary.



Single Nail Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
261746	Single Nail Clamp for 3/8 and 1/2 in. Pipe	100	1500	4	0.01	1 bag
261756+	Single Nail Clamp for 3/4 in. Pipe	100	1000	5	0.01	1 bag

+ This item is not stocked. Lead times may vary.  
Completely encircles pipe. Pre-installed barbed nail prevents backout.



Plastic Pipe Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282401+	1 1/4 in. Plastic Pipe Clamp	50	800	16	0.04	1 bag
282411+	1 1/2 in. Plastic Pipe Clamp	25	600	20	0.05	1 bag
282421+	2 in. Plastic Pipe Clamp	25	300	32	0.07	1 bag

+ This item is not stocked. Lead times may vary.



**Isolating Suspension Clamps**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282431+	1 1/4 in. Isolating Suspension Clamp	50	800	15	0.03	1 bag
282441+	1 1/2 in. Isolating Suspension Clamp	25	600	28	0.04	1 bag
282451+	2 in. Isolating Suspension Clamp	25	300	23	0.05	1 bag

+ This item is not stocked. Lead times may vary.  
 Secures RAUPEX pipe to both wood and metal framework.



**Nylon Pipe Ties**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
724448	Nylon Pipe Ties	1000/bag	1.43	0.003	1 bag

Non-abrasive nylon pipe ties safely secure pipe directly to slab reinforcing bars or wire mesh. Ties are 8 in. long and rated at 50 lbs tensile strength.

# 15. PEX pipe installation tools



### EVERLOC+ Power Tool Standard Kit

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
105107-003	EVERLOC+ Power Tool Standard Kit (1/2, 3/4 and 1 in.)	1	6.8	15	1

The EVERLOC+ power tool standard kit is specifically designed for assembling 1/2, 3/4 and 1 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ power tool base unit (Art. 105106-003)
- EVERLOC+ expander adapter QC (Art. 105167-001)
- EVERLOC+ expander heads QC: 1/2 in. (Art. 105074-001), 3/4 in. (Art. 105076-001), 1 in. (Art. 105077-001)
- EVERLOC+ compression jaws (set): 1/2 in. (Art. 105084-001), 3/4 in. (Art. 105088-001), 1 in. (Art. 105091-001)
- (2) DeWALT® 12V Li-ion batteries (DCB127)
- DeWALT® 12V/20V Li-ion battery charger, 120VAC (DCB107)
- RAUCUTTER (Art. 137495)
- Tool case (Art. 318135-003)
- Grease (Art. 224989-001) and cleaning brush (Art. 224988-001)
- Operating instructions



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Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

### EVERLOC+ Expander Heads



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105073-001	3/8 in. EVERLOC+ Expander Head (Quick Change)	1	162	0.36	1 ea
105074-001	1/2 in. EVERLOC+ Expander Head (Quick Change)	1	159	0.35	1 ea
105075-001	5/8 in. EVERLOC+ Expander Head (Quick Change)	1	152	0.34	1 ea
105076-001	3/4 in. EVERLOC+ Expander Head (Quick Change)	1	150	0.33	1 ea
105077-001	1 in. EVERLOC+ Expander Head (Quick Change)	1	181	0.40	1 ea

### EVERLOC+ Compression Jaws



Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105083-001	3/8 in. EVERLOC+ Compression Jaws (set)	1 set	251	0.55	1 set
105084-001	1/2 in. EVERLOC+ Compression Jaws (set)	1 set	272	0.60	1 set
105087-001	5/8 in. EVERLOC+ Compression Jaws (set)	1 set	288	0.63	1 set
105088-001	3/4 in. EVERLOC+ Compression Jaws (set)	1 set	295	0.65	1 set
105091-001	1 in. EVERLOC+ Compression Jaws (set)	1 set	386	0.85	1 set



**EVERLOC+ XL Power Tool Standard Kit**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
105733-002	EVERLOC+ XL Power Tool Kit (1 1/4, 1 1/2 and 2 in.)	1	19.5	43	1

The EVERLOC+ XL power tool standard kit is specifically designed for assembling 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ XL power tool base unit (Art. 105994-002)
- EVERLOC+ XL power tool support handle (Art. 105995-001)
- EVERLOC+ XL expander adapter QC (Art. 105744-001)
- EVERLOC+ XL expander heads QC: 1 1/4 in. (Art. 105078-001), 1 1/2 in. (Art. 105079-001), 2 in. (Art. 105080-001)
- EVERLOC+ XL compression jaws (set): 1 1/4 in. (Art. 105094-001), 1 1/2 in. (Art. 105096-001), 2 in. (Art. 105098-001)
- (2) MAKITA® 18V Li-ion batteries (BL1840B)
- MAKITA® 18V Li-ion battery charger, 120VAC (DC18RC)
- Large ratchet cutter (Art. 131558-001)
- Tool case (Art. 321251-001)
- Grease (Art. 224989-001), cleaning brush (Art. 224988-001) and operating instructions

**⚠** Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

Accessory item sold separately:  
 - EVERLOC+ XL Power Tool Kit Trolley (Art. 324373-001)



**EVERLOC+ XL Expander Tool Standard Kit**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
106096-002	EVERLOC+ XL Expander Tool Kit (1 1/4, 1 1/2 and 2 in.)	1	5.4	12	1

The EVERLOC+ XL expander tool standard kit is specifically designed for the expansion of 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ XL expander tool base unit (Art. 105419-002)
- MAKITA® 18V Li-ion battery (BL1840B)
- Tool case (Art. 322285-001)
- Grease (Art. 224989-001) and cleaning brush (Art. 224988-001)
- Operating instructions

**⚠** Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

**EVERLOC+ XL Expander Heads**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
105078-001	1 1/4 in. EVERLOC+ XL Expander Head (Quick Change)	1	590	1.30	1 ea
105079-001	1 1/2 in. EVERLOC+ XL Expander Head (Quick Change)	1	667	1.47	1 ea
105080-001	2 in. EVERLOC+ XL Expander Head (Quick Change)	1	748	1.65	1 ea



**EVERLOC+ XL Compression Jaws**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
105094-001	1 1/4 in. EVERLOC+ XL Compression Jaws (set)	1 set	1134	2.50	1 set
105096-001	1 1/2 in. EVERLOC+ XL Compression Jaws (set)	1 set	1179	2.60	1 set
105098-001	2 in. EVERLOC+ XL Compression Jaws (set)	1 set	1270	2.80	1 set



**RAUPEX Cutters**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER for up to 1 in. RAUPEX	1	0.17	0.38	1
315242-001	Ratchet Cutter for up to 1 1/2 in. RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 2 in. RAUPEX	1	1.09	2.41	1



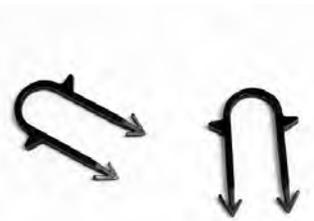
**RAUTACKER 3D Stapler Tools**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298956-001	RAUTACKER 3D Stapler Tool	1	2.78	6.12	1
298966-001	RAUTACKER 3D 1 3/8 in. Foam Staple	400/box	0.0018	0.004	1 box
340603-001	RAUTACKER 3D 2 in. Foam Staple	400/box	0.0020	0.005	1 box
298196-001	RAUTACKER 3D 2 3/8 in. Foam Staple	400/box	0.0022	0.006	1 box

RAUTACKER 3D foam staples are used when installing RAUPEX pipe on rigid foam board insulation in radiant heating and snow and ice melting applications. Extruded polystyrene foam board is recommended.

RAUTACKER 3D 1 3/8 in. staples work with 3/8, 1/2 and 5/8 in. pipe and with minimum 1 in. (25 mm) thick insulation. RAUTACKER 3D 2 3/8 in. staples are required for 3/4 in. pipe and minimum 1 1/2 in. (38 mm) thick insulation, but also work with 3/8, 1/2 and 5/8 in. pipe. Typically, one staple is required every 3 ft (90 cm) on straight runs of pipe with an additional staple in the middle of bends. Staples are supplied in magazines of 25.

**RAUTACK Foam Staples**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266187	RAUTACK 1 1/2 in. Foam Staple	300/box	0.002	0.005	1 box
266197	RAUTACK 2 1/4 in. Foam Staple	300/box	0.002	0.005	1 box

For use with RAUPEX pipe to install on rigid foam board insulation (extruded polystyrene is recommended). RAUTACK foam staples work with 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipes installed in radiant and SIM applications. The 1 1/2 in. staple is for use with minimum 1 in (25 mm) thick insulation. The 2 1/4 in. staple is for use with minimum 1 1/2 in (38 mm) thick insulation. Typically only one staple is required every 3 ft (90 cm) on straight runs of pipe, with one staple in the middle of bends.

Note: For use with previous version of RAUTACKER stapler tool (Art. 266177). Not compatible with RAUTACKER 3D stapler tool (Art. 298956-001).



**Screw Clip Ratchet Tools**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260886*	Screw Clip Ratchet Tool	1	0.7	1.6	1
260836*	Insulation Screw Clips	1000/bag		0.02	1 bag

\* This item is not stocked. Lead times may vary.

The screw clip ratchet tool installs insulation screw clips (Art. 260836) to secure RAUPEX pipe to rigid insulation such as extruded polystyrene or polyurethane. Not recommended for use with expanded polystyrene foam insulation. Can be used with 1/2, 5/8 and 3/4 in. RAUPEX pipe.



**Hand Power (HP) Stapler Tools**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
266287	Hand Power (HP) Stapler Tool	1	2.5	5.5	1
266297	Hand Power (HP) 1 1/2 in. Plastic Staple	500/box	0.004	0.009	1 box

For use with RAUPEX pipe to install on wooden subfloor systems. The HP stapler tool installs plastic staples with integral steel nail (Art. 266297) without the use of air power or electricity. HP staples work with 3/8, 1/2 and 5/8 in. RAUPEX pipe installed in radiant applications.



**Pneumatic Staplers**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
261016-150	Pneumatic Stapler Tool	1	5.0	11.0	1
432105-001	1 1/4 in. Staples for Use With Pneumatic Stapler	10,000/box	3.2	7.0	1 box

Pneumatic Stapler fastens RAUPEX pipe to a wooden subfloor. For use with 3/8 and 1/2 in. RAUPEX pipe, tool comes complete with pogo stick extension arm so it can be used from a standing position. Special design prevents firing until tool head is securely around pipe. Use only Spotnails® staples (Art. 432105-001, 3610PG-10M) listed above or equal; 1 in. (25 mm) crown, 1 1/4 in. (32 mm) leg, 16-gauge chisel point.



Staple Clip Guns					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266117	Staple Clip Gun	1	0.58	1.30	1
266137	1/2 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag
266147*	5/8 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag
266157*	3/4 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag

\* This item is not stocked. Lead times may vary.  
 For installation of RAUPEX pipe onto a wood surface. Hand-powered staple clip gun shoots plastic clips with steel staple inserts. Clips hold the pipe away from the surface. All sizes of clips are installed with the same gun.



Pressure Testers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
257334	Air Pressure Tester	1	0.3	0.8	1

Air pressure tester threads into the 1 in. isolation valve on a PRO-BALANCE manifold and connects to an air hose (Schrader valve included). Tester includes a pressure gauge that reads from 0 to 200 psi.



Infrared Thermometers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
261696-001*	IR Thermometer	1	240	0.53	1

\* This item is not stocked. Lead times may vary.  
 Non-contact infrared thermometer can be used to measure temperatures of heated or unheated floors, indoor building surfaces, heating system components (including pipes and manifolds). Includes 2 AAA batteries and provides up to 130 hours of continuous use.



Turntable Uncoilers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
424865-001	Turntable Uncoiler	1	40.4	89.0	1

Uncoiler has adjustable I.D. to fit multiple sizes of PEXa up to 1,000 ft of 3/4 in. Turntable rotates from horizontal to vertical to fit through doorways and allow for easy jobsite mobility. Assembly required.



RAUPEX Horizontal Uncoilers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Folding uncoiler is capable of holding RAUPEX coils up to 1 in.

# 16. Electronic controls

## Radiant Floor Heating (RFH) Controls

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
236317-001*	Floating Action Mixing Control (360)	1	1.4	3.1	1
236327-001*	Variable Speed Mixing Control (361)	1	1.4	3.0	1



\* Item not stocked. Lead times may vary.

The Floating Action Mixing Control (Art. 236317-001) is an outdoor reset control designed to control the mixed supply water temperature to a radiant system. The floating action mixing control operates a 24 VAC floating action 3 or 4-way mixing valve actuator (Art. 260526, Art. 260566) to regulate the supply water temperature while still protecting a non-condensing boiler against flue gas condensation. This control also provides for boiler operation, primary pump operation and secondary pump operation.

The Variable Speed Mixing Control (Art. 236327-001) is an outdoor reset control designed to control the mixed supply water temperature to a radiant system. The variable speed mixing control operates a variable speed injection pump to regulate the supply water temperature while still protecting the boiler against flue gas condensation. This control also provides for boiler operation, primary pump operation, and secondary pump operation.

## Single-zone SIM Controls Low Voltage

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
315839-001*	Single-zone SIM Control Low Voltage (654)	1	590	1.3	1
315836-001*	Aerial Snow Sensor (095)	1	180	0.4	1



\* Item not stocked. Lead times may vary.

The Single-zone SIM control (654) operates hydronic equipment to melt snow or ice from any surface including driveways, walkways, patios, business entrances, parking ramps, loading docks, hospital entrances, helipads or car wash bays. The surface temperature for snow melting is controlled automatically to reduce operating energy costs.

The control has an automatic start and stop function when used with the snow/ice sensor (090) (Art. 236357-001). Automatic start with a timed stop is available when used with the aerial snow sensor (095) (Art. 315836-001). The control can operate a dedicated hydronic boiler or a mixing device. Isolation relays are required to operate line voltage pumps.

The aerial snow sensor (095) is an aerial mounted sensor that detects falling snow and allows the Single-zone SIM control (654) (Art. 315839-001) to automatically start the snow melting equipment. System stop is provided by the control's timer or by manual disable. The sensor mounts to a nominal 1/2 in. (16 mm) metal or PVC conduit or pole. The sensor is well suited to adding automatic start to an existing snow melt system. This sensor can only be used with the Single-zone SIM control (654) (Art. 315839-001)





**Snow and Ice Melt (SIM) Controls**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
425151-001	Wi-Fi Snow Melting Control w/ Boiler and Mixing Control (670)	1	1.9	4.3	1
298746-002	Wi-Fi Single-zone SIM Controller w/ Pulse Width Modulation (671)	1	1.4	3.1	1

The Wi-Fi Snow Melting Control (670) operates hydronic heating equipment designed to melt snow and/or ice from roads and walkway surfaces. This control works with the 090 Snow/Ice Sensor (Art. 236357-001) or 095 Aerial Snow Sensor (Art. 315836-001) to automatically detect snow or ice and operates a single boiler to supply heat to the slab. Boiler return protection is provided to non-condensing boilers using a mixing valve or variable speed injection mixing pump.

The WiFi Single Zone SIM Controller (671) is designed to operate mechanical equipment to melt snow off an outdoor slab. It is used in hydronic snow melting applications. This product uses a snow/ice detection sensor in order to automatically melt snow using pulse width modulation (PWM) and slab outdoor reset to maintain slab temperature. It is capable of controlling a single boiler, a system pump, and providing a signal when melting is enabled

Additional control and monitoring can be done with the using the TEKMAR Connect mobile application, available for iOS and Android.



**Electronic Accessories**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
236207-001+	070 Outdoor Sensor	1	0.16	0.35	1
236227-001+	072 Slab Sensor (20 ft / 6 m cable)	1	0.17	0.37	1
236237-001+	073 Slab Sensor (40 ft / 12 m cable)	1	0.39	0.86	1
236297-001	R003P 24VAC Relay	1	0.13	0.29	1
236357-001	090 Snow/Ice Sensor (65 ft / 19.8 m Jacketed Cable)	1	2.00	4.40	1
236367-001	091 Snow/Ice Sensor Socket	1	0.82	1.80	1



+ This item is not stocked. Lead times may vary.

Electronic accessories can be used with specific mixing controls and/or digital thermostats as replacements and/or additional connections. Refer to mixing control and/or thermostat for compatibility.

# 17. Mixing valves



### Variable Speed Injection Mixing Modules

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281731-001*	Variable Speed Mixing Module	1	8.4	18.5	1

\* This item is not stocked. Lead times may vary.  
 Used to supply design temperature water to the PRO-BALANCE or HLV manifolds. Capability up to 120,000 Btu/hr. Single compact unit includes an electronic variable speed injection mixing control, variable speed pump and system circulator with air elimination valve. Extremely versatile, the variable speed mixing module is equipped to be set up as an outdoor reset control, a set point control or a delta T limiting control.

### Modulating Mixing Valves



Article No.	Description	Cv	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
298016-001*	3/4 in. 3-way Modulating Mixing Valve	4.5	1	0.60	1.32	1
298776-001*	1 in. 3-way Modulating Mixing Valve	4.5	1	0.68	1.50	1
298026-001*	1 1/4 in. 4-way Modulating Mixing Valve	17.5	1	1.43	3.15	1

\* This item is not stocked. Lead times may vary.  
 REHAU modulating mixing valves are a powerful cost effective alternative for zone mixing with such features as outdoor reset, boiler return temperature protection and warm weather shut down (WWSD).

- Maximum operating pressure: 300 psi (2,100 KPa)
- Fluid temperature range: 20 to 240°F (-7 to 115°C) @ 135°F (57°C) ambient
- Adjustable setpoint dial 80 to 180°F (27 to 82°C)
- Selectable 15°F (-9°C) setback
- Optional boiler protection set at 135°F (57°C)

### Thermostatic 3-Way Mixing Valves



Article No.	Size	Cv	Connection	Temperature Range	Package Quantity	Unit Weight		Minimum Order
						kg	lb	
234037	3/4 in.	1.9	NPT	85 to 160°F (19 to 71°C)	1	0.54	1.2	1
234047*	3/4 in.	1.8	Compression	95 to 140°F (35 to 60°C)	1	0.60	1.3	1
260068-001	1 in.	4.1	NPT	95 to 140°F (35 to 60°C)	1	0.91	2.0	1

\* This item is not stocked. Lead times may vary.  
 Thermostatic mixing valves control supply water temperature for small-sized radiant systems. Sensing element is a wax/copper compound mounted within the valve body. Provides rapid stabilization of supply water temperature. Temperature is adjusted with the knob located at the top of the valve body. For feedback on temperature adjustments place a thermometer (Art. 260957, 260967) downstream of the valve. Compression-type fitting for copper distribution piping or NPT type for threaded pipe. Size valve based on Cv rating (GPM @ 1 psi pressure loss, 2.3 feet headloss).

- Specifications:
- Maximum input temperature: 195°F (90°C)
  - Regulated output temperature range: as listed
  - Maximum working pressure: 145 psi (10 bar; 1 MPa)
  - Regulation accuracy: +/- 3.6°F (2°C) at a minimum flow of 0.5 GPM (2 l/m)
  - Material: brass body



**Control Motor for Mixing Valves up to 2 in.**

Article No.	Description	Motor Speed	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260526-001	600 Series Motor With End Switch for Valves up to 2 in.	96 sec	1	0.5	1.2	1

Use with mixing valves 2 in. and smaller for motor operated control. The motor is controlled by REHAU outdoor reset/mixing controls. Operates on 24 Volt AC input provided through these controls. No additional installation kit is required. Built-in end switch is included. Manual override of mixing valve is possible by pulling out and turning the knob. Be sure to adjust the motor speed setting on electronic mixing controls to 96 seconds.

Specifications:

- Ambient temperature range: 22 to 130°F (-5 to 55°C)
- Torque: 53.10 in. lbs
- Protection type: NEMA 1 (IP 40)
- Supply voltage: 24 VAC, 50 - 60 Hz
- Power consumption: 2 VA (watts) when operating

**Brass Mixing Valves**

Compact 3- or 4-way brass mixing valves are ideal for reliable control of radiant or SIM supply water temperature. Suitable for motor controlled radiant or SIM applications with 600 series control motor (Art. 260526-001). When choosing a 3- or 4-way mixing valve, size according to flow (Cv) and not pipe size, for more accurate mixing. This often means using a valve that is one size smaller than supply/return pipes.

**3-Way Brass Mixing Valves**

Article No.	Description	Cv	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260106-001	3/4 in. FPT 3-way Brass Mixing Valve	7.3	1	0.5	1.0	1
260116-001	1 in. FPT 3-way Brass Mixing Valve	11.7	1	0.7	1.5	1
260136-001	1 1/4 in. FPT 3-way Brass Mixing Valve	18.7	1	1.0	2.3	1
260146-001*	1 1/2 in. FPT 3-way Brass Mixing Valve	29.3	1	1.68	3.7	1

\* This item is not stocked. Lead times may vary.

Specifications:

- Maximum operating pressure: 145 psi (10 bar)
- Maximum operating temperature: 230°F (110°C)
- Minimum operating temperature: -15°F (-10°C)
- Maximum mixing differential pressure: 14.5 psi (1 bar)
- Maximum diverting differential pressure: 20 psi (2 bar)
- Maximum torque: 45 lbf-in (5 Nm)

**4-Way Brass Mixing Valves**

Article No.	Description	Cv	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260236-001	3/4 in. FPT 4-way Brass Mixing Valve	7.3	1	0.5	1.1	1
260246-001	1 in. FPT 4-way Brass Mixing Valve	11.7	1	0.8	1.7	1
260266-001	1 1/4 in. FPT 4-way Brass Mixing Valve	18.7	1	1.2	2.6	1

Specifications:

- Maximum operating pressure: 145 psi (10 bar)
- Maximum operating temperature: 230°F (110°C)
- Minimum operating temperature: -15°F (-10°C)
- Maximum differential pressure: 14.5 psi (1 bar)
- Maximum torque: 45 lbf-in (5 Nm)



# 18. Hydronic accessories



Pressure Differential Bypass Valves						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			kg	lb		
260517*	1/2 in. C Female (Sweat) Pressure Bypass Valve	1	0.68	1.5	1	
260527*	3/4 in. C Female (Sweat) Pressure Bypass Valve	1	0.91	2.0	1	
267987*	1 in. MPT Pressure Bypass Valve	1	1.40	3.0	1	

\* This item is not stocked. Lead times may vary.  
 Pressure differential bypass valves divert excess flow when one circulator pump is used with multiple zones, reducing wear on the pump, avoiding noise problems in the control valves and allowing more stable temperature control. Valves are pressure-adjustable. Connections (union ends) are to copper pipe for 1/2 and 3/4 in. valves. The 1 in. valve is supplied with 1 in. MPT union ends.

Thermometers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
260967	Thermometer with 3/4 in. Solder Well Fitting	1	0.13	0.29	1



Thermometers are recommended in radiant/SIM supply and return pipes to monitor fluid temperatures. REHAU immersion well thermometers have a 2 1/2 in. dial, reading from 50 to 250°F (10 to 120°C).

Combination Temperature/Pressure Gauges					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266417	Combination Temperature/Pressure Gauge	1	0.14	0.30	1



The combination temperature/pressure gauge has a 2 1/2 in. dial reading from 0 to 100 psi and 30 to 240°F (-1 to 115°C). 1/4 in. NPT back-mounted connection for installation in a pipe tee/fitting. The immersion gauge contacts the water directly to give the highest degree of temperature and pressure accuracy. For use in radiant and SIM applications.

Heat Exchangers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266477	Heat Exchanger, 3/4 in. MPT Connections (100,000 Btu load)	1	2.0	4.4	1
266487-001	Heat Exchanger, 3/4 in. MPT Connections (150,000 Btu load)	1	2.4	5.3	1



Compact stainless steel heat exchanger for use in radiant and SIM projects. Applications include: radiant systems using a domestic hot water tank as the heat source to separate heating water from drinking water (check local codes), SIM systems using concentration of glycol (antifreeze) different than the rest of the hydronic system. CSA and UL approved. Can provide more than 100,000 Btu/hr, depending on temperatures and flow rates. Has 1/4 - 20 studs for mounting.





## 4. INSULPEX® Pre-Insulated PEXa Piping System

Product Catalog

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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit [na.rehau.com/resourcecenter](http://na.rehau.com/resourcecenter)

# 1. INSULPEX pipe

INSULPEX pipe consists of O<sub>2</sub> Barrier PEXa pipe encased in closed-cell polyurethane (PUR) foam insulation, with a protective low-density polyethylene (PE) outer casing. O<sub>2</sub> Barrier pipe is made of high-quality crosslinked polyethylene, manufactured using the high-pressure peroxide method (PEXa). O<sub>2</sub> Barrier pipe has a co-extruded oxygen diffusion layer that complies with the requirements of DIN 4726. O<sub>2</sub> Barrier pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

INSULPEX pipe meets the requirements of DIN 16892 and 16893. The size listed in the description is the nominal diameter in millimeters, according to DIN 16893. Metric pipes are SDR11 and are compatible with SDR11 compression-sleeve fittings. Refer to INSULPEX Technical Manual (Art. 855.630) for pipe dimension details, capacities and temperature/pressure ratings.



## One-pipe System – Coils

Article No.	Description	Maximum Coil Size		Unit Weight		Minimum Order
		ft	m	kg/m	lb/ft	
423418-001	25 mm INSULPEX O <sub>2</sub> Barrier Pipe (91)	1640	500	1.2	0.8	35 ft
423419-001	32 mm INSULPEX O <sub>2</sub> Barrier Pipe (91)	1560	475	1.4	0.9	35 ft
241082-001	40 mm INSULPEX O <sub>2</sub> Barrier Pipe (91)	1560	475	1.4	0.9	35 ft
241092-001	50 mm INSULPEX O <sub>2</sub> Barrier Pipe (111)	985	300	2.0	1.3	35 ft
221317	63 mm INSULPEX O <sub>2</sub> Barrier Pipe (126)	820	250	2.6	1.7	35 ft
221327	75 mm INSULPEX O <sub>2</sub> Barrier Pipe (142)	605	185	3.4	2.3	35 ft
221337	90 mm INSULPEX O <sub>2</sub> Barrier Pipe (162)	292	89	4.6	3.1	35 ft
221347	110 mm INSULPEX O <sub>2</sub> Barrier Pipe (162)	292	89	5.7	3.8	35 ft
222677-001	125 mm INSULPEX O <sub>2</sub> Barrier Pipe (182)	130	40	7.2	4.8	35 ft
315265-001*	140 mm INSULPEX O <sub>2</sub> Barrier Pipe (202)	115	36	8.4	5.6	35 ft

\* This item is not stocked. Lead times may vary.

One carrier pipe in the size listed, within PUR insulation and a corrugated PE outer casing.

## One-pipe System – Straight Lengths

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg/pce	lb/pce	
221317-005*	63 mm INSULPEX O <sub>2</sub> Barrier Pipe 16.4 ft (5 m) Straight Length	1	13.0	27.9	1
221327-005*	75 mm INSULPEX O <sub>2</sub> Barrier Pipe 16.4 ft (5 m) Straight Length	1	17.0	37.7	1
221337-005*	90 mm INSULPEX O <sub>2</sub> Barrier Pipe 16.4 ft (5 m) Straight Length	1	23.0	50.8	1
221347-005*	110 mm INSULPEX O <sub>2</sub> Barrier Pipe 16.4 ft (5 m) Straight Length	1	28.5	62.3	1
222677-005*	125 mm INSULPEX O <sub>2</sub> Barrier Pipe 16.4 ft (5 m) Straight Length	1	36.0	78.7	1
315265-005*	140 mm INSULPEX O <sub>2</sub> Barrier Pipe 16.4 ft (5 m) Straight Length	1	42.0	91.8	1

\* This item is not stocked. Lead times may vary.

One carrier pipe in the size listed, within PUR insulation and a corrugated PE outer casing.

## Two-pipe System – Coils

Article No.	Description	Maximum Coil Size		Unit Weight		Minimum Order
		ft	m	kg/m	lb/ft	
423421-001	25 + 25 mm INSULPEX O <sub>2</sub> Barrier Pipe (111)	985	300	1.6	1.1	35 ft
241032-001	32 + 32 mm INSULPEX O <sub>2</sub> Barrier Pipe (111)	985	300	1.9	1.3	35 ft
241042-001	40 + 40 mm INSULPEX O <sub>2</sub> Barrier Pipe (126)	820	250	2.5	1.7	35 ft
241052-001	50 + 50 mm INSULPEX O <sub>2</sub> Barrier Pipe (162)	285	88	4.0	2.7	35 ft
221427	63 + 63 mm INSULPEX O <sub>2</sub> Barrier Pipe (182)	130	40	5.3	3.6	35 ft

Two carrier pipes in the size listed, within PUR insulation and a corrugated PE outer casing.



Table of Pipe Diameters					
Article No.	Description	Casing		RAUPEX	
		Outer Diameter in	mm	Inside Diameter in	mm
423418	25 mm INSULPEX O <sub>2</sub> Barrier Pipe	3.6	91	0.81	20.6
423419	32 mm INSULPEX O <sub>2</sub> Barrier Pipe	3.6	91	1.04	26.4
241082	40 mm INSULPEX O <sub>2</sub> Barrier Pipe	3.6	91	1.29	32.8
241092	50 mm INSULPEX O <sub>2</sub> Barrier Pipe	4.4	111	1.62	41.1
221317	63 mm INSULPEX O <sub>2</sub> Barrier Pipe	5.0	126	2.04	51.7
221327	75 mm INSULPEX O <sub>2</sub> Barrier Pipe	5.6	142	2.43	61.8
221337	90 mm INSULPEX O <sub>2</sub> Barrier Pipe	6.4	162	2.92	74.1
221347	110 mm INSULPEX O <sub>2</sub> Barrier Pipe	6.4	162	3.56	90.5
222677	125 mm INSULPEX O <sub>2</sub> Barrier Pipe	7.2	182	4.05	102.8
315265	140 mm INSULPEX O <sub>2</sub> Barrier Pipe	8.0	202	4.54	115.3
423421	25 + 25 mm INSULPEX O <sub>2</sub> Barrier Pipe	4.4	111	0.81	20.6
241032	32 + 32 mm INSULPEX O <sub>2</sub> Barrier Pipe	4.4	111	1.04	26.4
241042	40 + 40 mm INSULPEX O <sub>2</sub> Barrier Pipe	5.0	126	1.29	32.8
241052	50 + 50 mm INSULPEX O <sub>2</sub> Barrier Pipe	6.4	162	1.62	41.1
221427	63 + 63 mm INSULPEX O <sub>2</sub> Barrier Pipe	7.2	182	2.04	51.7

Casing OD is the average outside diameter between the higher and the lower rib profiles.

## 2. INSULPEX end caps

Heat shrink end caps provide a seal around the end of INSULPEX, sealing onto RAUPEX pipe and the PE casing to protect against water infiltration in buried applications. Follow installation instructions in the INSULPEX Installation Guide (855.631).



### Heat Shrink End Caps, One-pipe System

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
209961-001	25/32/40/50 mm INSULPEX Heat Shrink End Cap	1	0.12	0.26	1
209962-001	63/75mm INSULPEX Heat Shrink End Cap	1	0.12	0.26	1
209963-001	90/110/125/140 mm INSULPEX Heat Shrink End Cap	1	0.25	0.54	1



### Heat Shrink End Caps, Two-pipe System

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
209964-001	25 + 25 mm INSULPEX Heat Shrink End Cap	1	0.11	0.24	1
209966-001	32 + 32/40 + 40 mm INSULPEX Heat Shrink End Cap	1	0.15	0.34	1
209967-001	50 + 50 mm INSULPEX Heat Shrink End Cap	1	0.15	0.34	1
209968-001	63 + 63 mm INSULPEX Heat Shrink End Cap	1	0.21	0.45	1



### Slip-on End Caps, One-pipe System

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
242544-001	25 mm INSULPEX Slip-on End Cap	1	0.11	0.24	1
246989-001	32 mm INSULPEX Slip-on End Cap	1	0.08	0.18	1
242584-001	40 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
242604-001	50 mm INSULPEX Slip-on End Cap	1	0.11	0.24	1
242624	63 mm INSULPEX Slip-on End Cap	1	0.12	0.26	1
242644	75 mm INSULPEX Slip-on End Cap	1	0.04	0.09	1
242664	90 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
242674	110 mm INSULPEX Slip-on End Cap	1	0.05	0.10	1
288374-001	125 mm INSULPEX Slip-on End Cap	1	0.50	1.10	1



**Slip-on End Caps, Two-pipe System**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
428547-001	25 + 25 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
242724-001	32 + 32 mm INSULPEX Slip-on End Cap	1	0.04	0.09	1
242754-001	40 + 40 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
428567-001	50 + 50 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
428546-001	63 + 63 mm INSULPEX Slip-on End Cap	1	0.07	0.15	1

Slip-on end caps improve cosmetic appearance at ends of INSULPEX pipes inside a building or chamber. Slip-on end caps are not watertight, and are not certified for underground burial.



**Wall Sealing Rings**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
240363	91 mm ID Wall Sealing Ring (5.25 in. OD)	1	0.45	1.00	1
240373-001	111 mm ID Wall Sealing Ring (6.00 in. OD)	1	0.30	0.70	1
240383-001	126 mm ID Wall Sealing Ring (6.60 in. OD)	1	0.50	1.10	1
240393-001	142 mm ID Wall Sealing Ring (7.20 in. OD)	1	0.60	1.32	1
240403-001	162 mm ID Wall Sealing Ring (8.00 in. OD)	1	0.69	1.54	1
239101-001	182 mm ID Wall Sealing Ring (8.60 in. OD)	1	0.50	1.10	1
353278-001	202 mm ID Wall Sealing Ring (9.20 in. OD)	1	0.90	1.98	1

Neoprene wall sealing rings fit tightly over the INSULPEX casing, and are meant to be located at wall penetrations. Barbed design prevents pull out. Use the sizing chart in the INSULPEX Technical Manual (855.630) or from the pipe diameters chart located on page 3.4, to determine the correct wall sealing ring.

### 3. INSULPEX insulation kits

Universal tee insulation kits are for use with various pipe diameters. Insulation is NOT included with these kits. Follow directions included with kit.

#### Universal Coupling Shroud + Heat Shrink Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330068-001	Small Coupling Shroud Insulation Kit, for up to 142 mm INSULPEX casing OD	1	1.6	3.5	1
330069-001	Large Coupling Shroud Insulation Kit, for up to 225 mm INSULPEX casing OD	1	4.1	9.0	1

Kits include heat shrink sleeves for sealing around INSULPEX pipes.

#### Universal Elbow Shroud + Heat Shrink Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330026-001	Small Elbow Shroud Insulation Kit, for up to 142 mm INSULPEX casing OD	1	2.5	5.5	1
330027-001	Large Elbow Shroud Insulation Kit, for up to 225 mm INSULPEX casing OD	1	6.0	13.2	1

Kits include heat shrink sleeves for sealing around INSULPEX pipes.

#### Universal Tee Shroud + Heat Shrink Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330024-001	Small Tee Shroud Insulation Kit, for up to 142 mm INSULPEX casing OD	1	2.8	6.2	1
330025-001	Large Tee Shroud Insulation Kit, for up to 225 mm INSULPEX casing OD	1	5.6	12.3	1

Kits include heat shrink sleeves for sealing around INSULPEX pipes.

#### Heat Shrink Sleeves

Article No.	Description	Unit Weight		Minimum Order
		kg	lb	
297991-033	Shrink Sleeve for Small Insulation Kit, for up to 142 mm INSULPEX casing OD	0.79	1.74	1 m
297992-040	Shrink Sleeve for Large Insulation Kit, for up to 225 mm INSULPEX casing OD	0.96	2.12	1 m



**Universal Coupling Shell Assembly Kits**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330056-001+	Small Coupling Shell Kit, for up to 126 mm INSULPEX casing OD	1	2.2	4.9	1
352038-001+	Large Coupling Shell Kit, for up to 182 mm INSULPEX casing OD	1	5.2	11.5	1

+ This item is not stocked. Lead times may vary.  
Order sealing rings separately per the outer diameter of the INSULPEX pipe



**Universal Elbow Shell Assembly Kits**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330057-001+	Small Elbow Shell Kit, for up to 126 mm INSULPEX casing OD	1	2.1	4.6	1
352039-001+	Large Elbow Shell Kit, for up to 182 mm INSULPEX casing OD	1	4.4	9.7	1

+ This item is not stocked. Lead times may vary.  
Order sealing rings separately per the outer diameter of the INSULPEX pipe



**Universal Tee Shell Assembly Kits**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330055-001+	Small Tee Shell Kit, for up to 126 mm INSULPEX casing OD	1	2.8	6.2	1
351054-001+	Large Tee Shell Kit, for up to 182 mm INSULPEX casing OD	1	3.6	7.9	1

+ This item is not stocked. Lead times may vary.  
Order sealing rings separately per the outer diameter of the INSULPEX pipe



**INSULPEX Sealing Rings and Plugs**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330017-001+	91 mm Small Shell Kit Sealing Ring	1	0.33	0.73	1
330018-001+	111 mm Small Shell Kit Sealing Ring	1	0.21	0.46	1
176282-050+	Small Tee Shell Kit Plug (111 mm SR)	1	0.10	0.2	1
330019-001+	126 mm Small Shell Kit Sealing Ring	1	0.10	0.19	1
351056-001+	91 mm Large Insulation Kit Sealing Ring	1	1.08	2.38	1
351057-001+	111 mm Large Insulation Kit Sealing Ring	1	1.03	2.26	1
351058-001+	126 mm Large Insulation Kit Sealing Ring	1	0.95	2.09	1
351059-001+	142 mm Large Insulation Kit Sealing Ring	1	0.90	1.98	1
351061-001+	162 mm Large Insulation Kit Sealing Ring	1	0.85	1.88	1
176302-050+	Large Tee Shell Kit Plug (162 mm SR)	1	0.27	0.6	1
351062-001+	182 mm Large Insulation Kit Sealing Ring	1	0.68	1.49	1

+ This item is not stocked. Lead times may vary.  
Order sealing rings separately per the outer diameter of the INSULPEX pipe.

## 4. SDR11 compression-sleeve fittings

SDR11 compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with RAUTOOL PEX pipe installation tools. Follow all published REHAU Technical Guidelines. SDR11 compression-sleeve fittings are not certified for potable water applications.



Compression Sleeves						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
139572-001	25 mm SDR11 Compression Sleeve	50	50	0.04	0.09	1 box
139492-001	32 mm SDR11 Compression Sleeve	50	50	0.08	0.18	1 box
138683-001	40 mm SDR11 Compression Sleeve	25	25	0.13	0.29	1 box
138693-001	50 mm SDR11 Compression Sleeve	25	25	0.26	0.57	1 box
138703-001	63 mm SDR11 Compression Sleeve	1	1	0.39	0.85	1 box
267671	75 mm SDR11 Compression Sleeve	1	1	0.50	1.10	1 box
267681	90 mm SDR11 Compression Sleeve	1	1	0.52	1.15	1 box
267691	110 mm SDR11 Compression Sleeve	1	1	1.09	2.40	1 box
235229-001	125 mm SDR11 Compression Sleeve	1	1	1.60	3.53	1 box
206256-001	140 mm SDR11 Compression Sleeve	1	1	1.86	4.10	1 box

Tapered end installs toward fitting. Sizes up to 63 mm are brass. Sizes 75 to 140 mm are bronze. Not certified for potable water.



Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169010-001	25 x 25 mm SDR11 Coupling	10	50	0.09	0.20	1 box
169013-001	32 x 32 mm SDR11 Coupling	3	30	0.18	0.40	1 box
169015-001	40 x 40 mm SDR11 Coupling	5	25	0.38	0.84	1 box
169144-001	50 x 50 mm SDR11 Coupling	1	1	0.57	1.26	1 box
169142-001	63 x 63 mm SDR11 Coupling	1	1	1.00	2.21	1 box
267611	75 x 75 mm SDR11 Coupling	1	1	1.68	3.70	1 box
267621	90 x 90 mm SDR11 Coupling	1	1	2.46	5.42	1 box
267631	110 x 110 mm SDR11 Coupling	1	1	3.12	6.88	1 box
235219-001	125 x 125 mm SDR11 Coupling	1	1	4.50	9.92	1 box
206257-001	140 x 140 mm SDR11 Coupling	1	1	4.99	11.0	1 box

Sizes up to 63 mm are brass. Sizes 75 to 140 mm are bronze. Not certified for potable water.



Reducer Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169014-001+	32 x 25 mm SDR11 Coupling	3	30	0.14	0.31	1 box
169017-001+	40 x 32 mm SDR11 Coupling	5	25	0.28	0.62	1 box
169170-001+	50 x 32 mm SDR11 Coupling	1	1	0.41	0.90	1 box
169147-001+	50 x 40 mm SDR11 Coupling	1	1	0.48	1.06	1 box
169148-001+	63 x 50 mm SDR11 Coupling	1	1	0.76	1.67	1 box
267641+	75 x 63 mm SDR11 Coupling	1	1	1.40	3.10	1 box
267651+	90 x 75 mm SDR11 Coupling	1	1	2.70	4.56	1 box
267661+	110 x 90 mm SDR11 Coupling	1	1	3.10	6.80	1 box

+ This item is not stocked. Lead times may vary.

Sizes up to 63 mm are brass. Sizes 75 to 110 mm are bronze. Not certified for potable water.



**MPT Adapters**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
298246-001	25 mm SDR11 x 1 in. MPT or 3/4 in. C Female Adapter	5	30	0.18	0.40	1 box
235117-001	32 mm SDR11 x 1 1/4 in. MPT or 1 in. C Female Adapter	5	30	0.34	0.75	1 box
235127-001	40 mm SDR11 x 1 1/2 in. MPT or 1 1/4 C Female Adapter	1	1	0.50	1.10	1 box
235137-001	50 mm SDR11 x 2 in. MPT or 1 1/2 C Female Adapter	1	1	0.84	1.85	1 box
235157	63 mm SDR11 x 2 1/2 in. MPT or 2 in. C Female Adapter	1	1	1.51	3.33	1 box
235147	63 mm SDR11 x 2 in. MPT Adapter	1	1	1.50	3.30	1 box
235167	75 mm SDR11 x 3 in. MPT Adapter	1	1	2.33	5.14	1 box
235177	90 mm SDR11 x 3 in. MPT Adapter	1	1	2.10	4.62	1 box
235187	110 mm SDR11 x 4 in. MPT Adapter	1	1	3.69	8.14	1 box

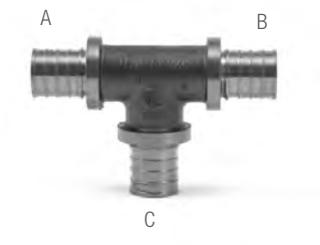
Make threaded or solder connections before connecting to RAUPEX pipe. Sizes up to 63 mm are brass. Sizes 75 to 110 mm are bronze. Not certified for potable water.



**90° Elbows**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169126-001	25 x 25 mm SDR11 Elbow	10	50	0.16	0.35	1 box
169128-001	32 x 32 mm SDR11 Elbow	3	30	0.29	0.64	1 box
169130-001	40 x 40 mm SDR11 Elbow	1	1	0.52	1.15	1 box
169145-001	50 x 50 mm SDR11 Elbow	1	1	0.82	1.81	1 box
169146-001	63 x 63 mm SDR11 Elbow	1	1	1.67	3.69	1 box
267751	75 x 75 mm SDR11 Elbow	1	1	2.44	5.38	1 box
267761	90 x 90 mm SDR11 Elbow	1	1	3.30	7.28	1 box
267771	110 x 110 mm SDR11 Elbow	1	1	5.32	11.7	1 box

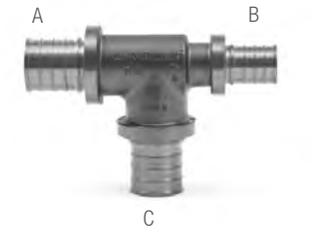
Sizes up to 63 mm are brass. Sizes 75 to 110 mm are bronze. Not certified for potable water.



**Straight Tees**

Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169056-001	25 x 25 x 25 mm SDR11 Tee	10	50	0.20	0.44	1 box
169063-001	32 x 32 x 32 mm SDR11 Tee	3	30	0.40	0.88	1 box
169072-001	40 x 40 x 40 mm SDR11 Tee	1	1	0.77	1.70	1 box
169156-001	50 x 50 x 50 mm SDR11 Tee	1	1	0.87	1.92	1 box
169167-001	63 x 63 x 63 mm SDR11 Tee	1	1	2.14	4.72	1 box
221946-001	75 x 75 x 75 mm SDR11 Tee	1	1	3.47	7.65	1 box
221948-001	90 x 90 x 90 mm SDR11 Tee	1	1	4.00	8.00	1 box
221953-001	110 x 110 x 110 mm SDR11 Tee	1	1	7.09	15.6	1 box

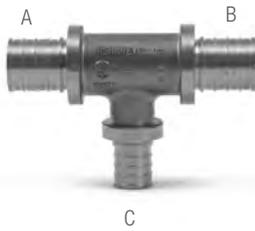
Not certified for potable water.



**Run Reducing Tees**

Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169062-001+	32 x 25 x 32 mm SDR11 Tee	3	30	0.35	0.77	1 box

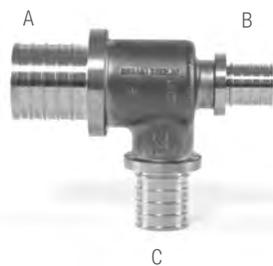
+ This item is not stocked. Lead times may vary.  
Not certified for potable water.

**Branch Reducing Tees**

Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169061-001+	32 x 32 x 25 mm SDR11 Tee	3	30	0.33	0.73	1 box
169069-001+	40 x 40 x 25 mm SDR11 Tee	1	1	0.67	1.48	1 box
169071-001+	40 x 40 x 32 mm SDR11 Tee	1	1	0.70	1.54	1 box
169152-001+	50 x 50 x 25 mm SDR11 Tee	1	1	0.83	1.83	1 box
169154-001+	50 x 50 x 32 mm SDR11 Tee	1	1	0.82	1.81	1 box
169155-001+	50 x 50 x 40 mm SDR11 Tee	1	1	0.90	1.98	1 box
169159-001+	63 x 63 x 25 mm SDR11 Tee	1	1	1.20	2.65	1 box
169161-001+	63 x 63 x 32 mm SDR11 Tee	1	1	1.20	2.65	1 box
169164-001+	63 x 63 x 40 mm SDR11 Tee	1	1	1.70	3.75	1 box
169166-001+	63 x 63 x 50 mm SDR11 Tee	1	1	1.90	4.19	1 box
267781-001+	63 x 63 x 75 mm SDR11 Tee	1	1	2.70	5.60	1 box
221934-001+	75 x 75 x 25 mm SDR11 Tee	1	1	2.10	4.63	1 box
267791-001+	75 x 75 x 32 mm SDR11 Tee	1	1	2.10	4.63	1 box
221936-001+	75 x 75 x 40 mm SDR11 Tee	1	1	2.25	4.96	1 box
231326-001+	75 x 75 x 50 mm SDR11 Tee	1	1	2.50	5.51	1 box
221944-001+	75 x 75 x 63 mm SDR11 Tee	1	1	2.93	6.47	1 box
231336-001+	90 x 90 x 32 mm SDR11 Tee	1	1	3.00	6.61	1 box
221945-001 +	90 x 90 x 40 mm SDR11 Tee	1	1	3.20	7.05	1 box
231346+	90 x 90 x 63 mm SDR11 Tee	1	1	3.61	7.96	1 box
231356-001+	110 x 110 x 32 mm SDR11 Tee	1	1	4.30	9.48	1 box
221950-001+	110 x 110 x 50 mm SDR11 Tee	1	1	5.30	11.68	1 box
231366+	110 x 110 x 63 mm SDR11 Tee	1	1	5.40	11.9	1 box

+ This item is not stocked. Lead times may vary.

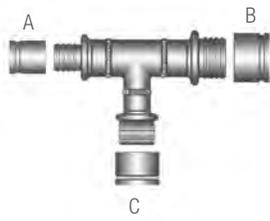
Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.

**Branch and Run Reducing Tees**

Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169060-001+	32 x 25 x 25 mm SDR11 Tee	3	30	0.28	0.62	1 box
169070-001+	40 x 32 x 32 mm SDR11 Tee	1	1	0.58	1.28	1 box
169151-001+	50 x 40 x 25 mm SDR11 Tee	1	1	0.82	1.81	1 box
169153-001+	50 x 40 x 32 mm SDR11 Tee	1	1	0.72	1.59	1 box
169162-001+	63 x 40 x 40 mm SDR11 Tee	1	1	1.50	3.31	1 box
169160-001+	63 x 50 x 32 mm SDR11 Tee	1	1	1.20	2.65	1 box
169163-001+	63 x 50 x 40 mm SDR11 Tee	1	1	1.60	3.53	1 box
169165-001+	63 x 50 x 50 mm SDR11 Tee	1	1	1.60	3.53	1 box
221935-001+	75 x 63 x 32 mm SDR11 Tee	1	1	2.10	4.63	1 box
221938-001+	75 x 63 x 50 mm SDR11 Tee	1	1	2.40	5.29	1 box
221943-001+	75 x 63 x 63 mm SDR11 Tee	1	1	2.65	5.84	1 box

+ This item is not stocked. Lead times may vary.

Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



Carbon Steel Tees					
Article No.	Description (A x B x C)	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
222684-001+	40 x 32 x 25 mm SDR11 Tee	1	1.50	3.30	1
222704-001+	50 x 40 x 40 mm SDR 11 Tee	1	2.00	4.40	1
222714-001+	63 x 50 x 25 mm SDR11 Tee	1	2.50	5.50	1
241194-001+	75 x 63 x 25 mm SDR11 Tee	1	2.53	5.58	1
241214+	75 x 63 x 40 mm SDR11 Tee	1	2.82	6.22	1
241304-001+	90 x 75 x 25 mm SDR11 Tee	1	3.84	8.47	1
241314-001+	90 x 75 x 32 mm SDR11 Tee	1	4.05	8.93	1
241324-001+	90 x 75 x 40 mm SDR11 Tee	1	4.23	9.32	1
241334+	90 x 75 x 50 mm SDR11 Tee	1	4.58	10.10	1
241344+	90 x 75 x 63 mm SDR11 Tee	1	5.09	11.22	1
241354+	90 x 75 x 75 mm SDR11 Tee	1	4.47	9.86	1
241364-001+	90 x 90 x 25 mm SDR11 Tee	1	4.55	10.03	1
241394+	90 x 90 x 50 mm SDR11 Tee	1	5.28	11.64	1
241414-001+	90 x 90 x 75 mm SDR11 Tee	1	6.51	14.35	1
241434-001+	110 x 90 x 25 mm SDR11 Tee	1	5.00	11.02	1
241444-001+	110 x 90 x 32 mm SDR11 Tee	1	5.25	11.57	1
241454-001+	110 x 90 x 40 mm SDR11 Tee	1	5.43	11.97	1
241464-001+	110 x 90 x 50 mm SDR11 Tee	1	5.77	12.72	1
241474-001+	110 x 90 x 63 mm SDR11 Tee	1	5.77	12.72	1
241484-001+	110 x 90 x 75 mm SDR11 Tee	1	6.29	13.87	1
241494-001+	110 x 90 x 90 mm SDR11 Tee	1	7.00	15.43	1
241504-001+	110 x 110 x 25 mm SDR11 Tee	1	5.53	12.19	1
241524-001+	110 x 110 x 40 mm SDR11 Tee	1	6.26	13.80	1
241554-001+	110 x 110 x 75 mm SDR11 Tee	1	6.78	14.95	1
241564-001+	110 x 110 x 90 mm SDR11 Tee	1	7.49	16.51	1
310318-001+	125 x 110 x 25 mm SDR11 Tee	1	9.00	19.80	1
310317-001+	125 x 110 x 32 mm SDR11 Tee	1	9.00	19.80	1
310316-001+	125 x 110 x 40 mm SDR11 Tee	1	9.50	20.90	1
310308-001+	125 x 110 x 50 mm SDR11 Tee	1	9.50	20.90	1
310307-001+	125 x 110 x 63 mm SDR11 Tee	1	10.00	22.00	1
310306-001+	125 x 110 x 75 mm SDR11 Tee	1	10.00	22.05	1
301889-001+	125 x 110 x 90 mm SDR11 Tee	1	10.50	23.15	1
301888-001+	125 x 110 x 110 mm SDR11 Tee	1	11.50	25.35	1
301897-001+	125 x 110 x 125 mm SDR11 Tee	1	13.00	28.66	1
301906-001+	125 x 125 x 25 mm SDR11 Tee	1	10.00	22.00	1
301905-001+	125 x 125 x 32 mm SDR11 Tee	1	10.10	22.22	1
304004-001+	125 x 125 x 40 mm SDR11 Tee	1	10.50	23.10	1
301896-001+	125 x 125 x 50 mm SDR11 Tee	1	10.00	22.00	1
301895-001+	125 x 125 x 63 mm SDR11 Tee	1	11.00	24.25	1
352896-001+	125 x 125 x 75 mm SDR11 Tee	1	11.10	24.47	1
352897-001+	125 x 125 x 90 mm SDR11 Tee	1	11.50	25.36	1
352899-001+	125 x 125 x 110 mm SDR11 Tee	1	12.50	27.56	1
352898-001+	125 x 125 x 125 mm SDR11 Tee	1	14.00	30.87	1

\* This item is not stocked. Lead times may vary.

Welded carbon steel fitting includes three SDR11 brass sleeves (25 to 63 mm) or gunmetal (75 to 125 mm). Not certified for potable water.



Carbon Steel Welding Ends					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
425622-001	25 mm SDR11 x NPS 3/4 in. Schedule 40 Carbon Steel Welding End	1	0.08	0.2	1
425624-001	32 mm SDR11 x NPS 1 in. Schedule 40 Carbon Steel Welding End	1	0.13	0.3	1
425626-001	40 mm SDR11 x NPS 1 1/4 in. Schedule 40 Carbon Steel Welding End	1	0.27	0.6	1
425627-001	50 mm SDR11 x NPS 1 1/2 in. Schedule 40 Carbon Steel Welding End	1	0.43	0.9	1
221807	63 mm SDR11 x NPS 2 in. Schedule 40 Carbon Steel Welding End	1	0.73	1.6	1
221817	75 mm SDR11 x NPS 2 1/2 in. Schedule 40 Carbon Steel Welding End	1	1.13	2.5	1
221827	90 mm SDR11 x NPS 3 in. Schedule 40 Carbon Steel Welding End	1	1.50	3.3	1
221837-001	110 mm SDR11 x NPS 4 in. Schedule 40 Carbon Steel Welding End	1	2.20	4.9	1
298256-001	125 mm SDR11 x NPS 4 in. Schedule 40 Carbon Steel Welding End	1	2.50	5.5	1
425628-001	140 mm SDR11 x 5 in. Schedule 40 Carbon Steel Welding End	1	4.36	9.6	1

Carbon steel welding ends can be used with standard steel welding tees to create custom tees. Used for custom tee fabrication on closed systems with air removal devices and with RAUPEX O<sub>2</sub> barrier pipe. Order sleeves separately. Not certified for potable water.

## 5. RAUTOOL PEX pipe installation tools



### RAUTOOL M1 Manual Tool Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298296-001	M1 25 to 40 mm	1	10.1	22.2	1 kit

The M1 manually operated tool is used for the assembling SDR11 compression-sleeve fittings in sizes 25, 32 and 40 mm.

Each M1 tool kit comes complete with the following:

- M1 basic tool
- Pipe expander RO
- Ratchet pipe cutter
- SDR11 expansion head RO 25 mm
- SDR11 expansion head RO 32 mm
- SDR11 expansion head assembly M1 40 mm (Art. 137314-001)
- Set of SDR11 clamping jaws M1 25/32 mm (Art. 137364-001)
- Set of SDR11 clamping jaws M1 40 mm (Art. 201798-001)
- Grease and brush pack
- Rugged plastic transport case
- Operating instructions

### RAUTOOL G2 Battery Hydraulic Tool Kits



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212734-001	G2 50 to 63 mm	1	15.0	33.0	1 kit

The G2 tool uses a battery hydraulic pump, a 10-ft (3 m) hydraulic hose with quick-release fittings and an actuating head that is used for both expansion and compression steps.

Each G2 tool kit comes complete with the following:

- Battery pump AP-3 (Art. 212734-920)
- Li-ion battery 18 V/3 Ah
- Battery charger 120 V US/CA
- Hydraulic cylinder (Art. 137904-001) with hydraulic hose G2 (Art. 212734-900)
- Head assembly with 2 short + 2 long locking pins (Art. 137914-001)
- Pipe cutter for up to 63 mm (Art. 131558-001)
- Deburring tool (Art. 138990-001)
- Basic transport case (Art. 137724-001)
- Operating instructions
- SDR11 expansion head G 50 mm (Art. 137424)
- SDR11 expansion head G 63 mm (Art. 137434)
- Set of SDR11 clamping jaws G 50 mm (Art. 137624)
- Set of SDR11 clamping jaws G 63 mm (Art. 137634)

Accessory items sold separately:

- Set of 2 short + 2 long locking pins (Art. 137745-001)
- AP3 adapter to G1 hose (Art. 212734-910)
- SDR11 expansion head G 40 mm (Art. 138463)
- Set of SDR11 compression jaws G 40 mm (1 1/2 in.) (Art. 137964-002)
- G1/G2 Expansion kit 75 to 110 mm RAUTOOL G (Art. 137825-001)

**G1/G2 Expansion Kits**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137825-001	G1/G2 75 to 110 mm Expansion Kit	1	30.5	67.0	1 kit

Use with the G1 or G2 tool (purchased separately) for assembling SDR11 compression-sleeve fittings in sizes 75 to 110 mm.

This expansion kit comes complete with the following:

- Pipe cutter for 50 to 125 mm (Art. 137394-001)
- Transport case extension (Art. 244561-001)
- SDR11 expansion head G 75 mm (Art. 137584)
- SDR11 expansion head G 90 mm (Art. 137604)
- SDR11 expansion head G 110 mm (Art. 137614)
- Set of SDR11 compression jaws G 75 mm (Art. 137644)
- Set of SDR11 compression jaws G 90 mm (Art. 137654)
- Set of SDR11 compression jaws G 110 mm (Art. 137664)

**RAUTOOL G2 125 to 160 mm Battery Hydraulic Tool Kits**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212744-001	G2 125 to 160 mm	1	52.7	116.0	1 kit
206259-001*	G1/G2 Expansion Kit 140 mm	1	23.6	52.0	1 kit

\* This item is not stocked. Lead times may vary.

For assembling SDR11 compression-sleeve fittings in sizes 125 to 160 mm.

The G2 125 to 160 mm tool kit comes complete with the following:

- Battery pump AP-4 (Art. 212744-920)
- Li-ion battery 18 V/3 Ah
- Battery charger 120 VAC US/CA
- 2 hydraulic cylinders (Art. 137904-001) with hydraulic hose G2 125 to 160 mm (Art. 212744-900)
- Head assembly with 2 short locking pins (Art. 137914-001)
- 2 long locking pins (2X Art. 137745-001)
- Y-distributor with quick couplings G2 125 to 160 mm (Art. 212744-910)
- Pipe cutter for 110 to 160 mm (Art. 221016-001)
- Deburring tool (Art. 138990-001)
- Basic transport case (Art. 137724-001)
- Transport case extension (Art. 138015-001)
- Operating instructions
- SDR11 expansion head G 125 mm (Art. 138006-001)
- SDR11 expansion head G 160 mm
- Set of SDR11 compression jaws G 160 mm
- Set of reducers G 160/125 mm

Accessory item sold separately:

- Pipe lubricant (Art. 128953-003)
- G1/G2 140 mm Expansion Kit (Art. 206259-001)



**Ratchet Cutters**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER for up to 25 mm RAUPEX	1	0.17	0.38	1
315242-001	Ratchet Cutter for up to 40 mm RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 63 mm RAUPEX	1	1.09	2.41	1



**Enclosed Feed Cutters**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137394-001*	Pipe Cutter for 50 to 125 mm RAUPEX	1	0.46	1.0	1
221016-001*	Pipe Cutter for 110 to 160 mm RAUPEX	1	0.91	2.0	1

\* This item is not stocked. Lead times may vary.



**Sleeve Lubricants**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
128953-003	Compression Sleeve Lubricant	1	0.49	1.1	1 tube



**Repair Tapes**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
241002	Linerless Rubber Tape, Black	1	0.26	0.6	1 roll

Waterproof, synthetic rubber adhesive tape can be used to repair the PE casing of INSULPEX pipe if it is damaged. Tape dimensions: 2 in. wide x 15 ft. long (50 mm x 4.57 m).



## 5. RAUGEO™ Geoexchange System

Product Catalog

# Contents

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4. F2080 compression-sleeve fittings	5.6



For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit [na.rehau.com/resourcecenter](http://na.rehau.com/resourcecenter)

# 1. RAUGEO pipe

RAUGEO PEXa pipes and compression-sleeve fittings are recognized by the International Ground Source Heat Pump Association's (IGSHPA) Design and Installation Standards guide as an accepted piping system for ground loop heat exchangers.

RAUGEO PEXa pipes are manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUGEO PEXa pipe has a co-extruded grey PE UV shield that protects the pipe against ultraviolet light (sunlight) for an extended time. All RAUGEO PEXa pipe meets or exceeds the requirements of ASTM F876, F877, CSA B137.5 and PPI TR-3. RAUGEO PEXa pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

RAUGEO ground loops are certified to CSA C448 and are recognized by the International Ground Source Heat Pump Association's (IGSHPA) Design and Installation Standards guide as an accepted piping system for ground loop heat exchangers.

RAUGEO PEXa pipe is compatible with RAUPEX compression nut fittings and fittings certified to ASTM F2080 and CSA B137.5.

See applicable REHAU technical documents for detailed temperature and pressure ratings.



RAUGEO 1 in. Double U-bends						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			kg	lb		
630366-224+	RAUGEO Double U-bend PEXa 1 in. CTS 210 ft Coil (840 ft)	1	71.6	157.8	1	
630366-924+	RAUGEO Double U-bend PEXa 1 in. CTS 260 ft Coil (1,040 ft)	1	87.4	192.7	1	
630366-324+	RAUGEO Double U-bend PEXa 1 in. CTS 310 ft Coil (1,240 ft)	1	103.3	227.7	1	
630366-374+	RAUGEO Double U-bend PEXa 1 in. CTS 360 ft Coil (1,440 ft)	1	119.1	262.6	1	

\*This item is not stocked. Lead times may vary.

One RAUGEO double U-bend coil comes packaged as two single U-bend coils with attachment hardware. Each RAUGEO U-bend comprises RAUGEO PEXa UV shield pipe with reinforced resin U-bend tip. Custom coil lengths are available upon request and with an extended lead time.



RAUGEO 1 in. Single U-bends						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			kg	lb		
630376-224+	RAUGEO Single U-bend PEXa 1 in. CTS 210 ft Coil (420 ft)	1	35.8	78.9	1	
630376-924+	RAUGEO Single U-bend PEXa 1 in. CTS 260 ft Coil (520 ft)	1	43.7	96.4	1	
630376-324+	RAUGEO Single U-bend PEXa 1 in. CTS 310 ft.Coil (620 ft)	1	51.6	113.8	1	
630376-374+	RAUGEO Single U-bend PEXa 1 in. CTS 360 ft.Coil (720 ft)	1	59.6	131.3	1	

\*This item is not stocked. Lead times may vary.

Each RAUGEO U-bend comprises RAUGEO PEXa UV shield pipe with reinforced resin U-bend tip. Custom coil lengths are available upon request and with an extended lead time.



RAUGEO Collect Pipe						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			kg	lb		
235381-324+	RAUGEO Collect 1 in. CTS (300 ft)	300 ft	23.7	52.2	1 coil	
235381-524+	RAUGEO Collect 1 in. CTS (500 ft)	500 ft	39.5	87.0	1 coil	
235381-824+	RAUGEO Collect 1 in. CTS (800 ft)	800 ft	63.2	139.2	1 coil	
235391-524+	RAUGEO Collect 1 1/4 in. CTS (500 ft)	500 ft	56.9	125.5	1 coil	
235391-824+	RAUGEO Collect 1 1/4 in. CTS (800 ft)	800 ft	87.8	193.69	1 coil	

\*This item is not stocked. Lead times may vary.

RAUGEO Collect is RAUGEO PEXa UV shield pipe for horizontal ground loops and system distribution piping.

## 2. Installation accessories



### RAUGEO U-bend Vertical Ground Loop Accessories

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
222858-001	RAUGEO U-bend 1 in. CTS Pipe Spacer	200	0.04	0.10	1 box



### RAUGEO Collect Horizontal Ground Loop Accessories

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
236127	PE Protection Sleeve for 1 in. Pipe	50 ft/coil	1.70	3.60	1 coil
236137*	PE Protection Sleeve for 1 1/4 in. Pipe	150 ft/coil	6.10	13.4	1 coil
266237	1 in. Polymer Support Bend	50 pcs/box	0.10	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50 pcs/box	0.20	0.44	1 box
253625	3/4 and 1 in. Heat Shrink – 3.3 ft (1 m)	35 pcs/bag	0.12	0.27	1 meter

\* This item is not stocked. Lead times may vary.



### RAUGEO Installation Accessories

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
285561-001	Bulk Head Seal ID 0.75 to 1.1 in.	1	0.60	1.32	1
285571-001*	Bulk Head Seal ID 1.25 to 1.56 in.	1	0.59	1.29	1

\* This item is not stocked. Lead times may vary.

Bulkhead seal provides a water resistant seal for pipe penetrations through foundation walls.

### 3. Distribution manifolds



PRO-BALANCE 1 1/4 in. Brass Manifold With Gauges								
Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order	
		mm	in		kg	lb		
281841-101	4	398	15.08	1	5.0	11.0	1	
281851-101	5	453	17.06	1	5.4	12.0	1	
281861-101	6	508	19.02	1	6.0	13.1	1	
281871-101	7	563	20.99	1	6.5	14.2	1	
281881-101	8	618	22.95	1	6.9	15.3	1	

Delivered pre-assembled and ready to install. Use with 3/4 and 1 in. RAUPEX pipe. Order manifold-to-pipe connectors separately. For 3/4 in. pipe use R-20 fitting (Art. 267007-101). For 1 in. pipe use manifold adapter assembly (Art. 212104-001).

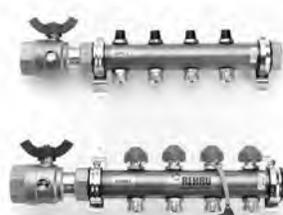
Each manifold comes complete with:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Visual flow gauges (0 to 4 GPM) on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Notes:

- Mini thermometers (Art. 250218) sold separately
- Manifold lengths above include the isolation ball valve 3.86 in (98 mm)
- Maximum flow is 4.0 GPM (0.25 l/s) per circuit; 40 GPM (2.52 l/s) total
- Manifold not compatible with alcohol-based antifreezes
- Depth of manifold is 4.50 in (11.4 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 1/4 in. BSPP unions (Art. 281971-001) or 1 1/4 in. BSPF x 1 1/4 in. BSPF x 1 1/4 in. BSPM union tee (Art. 250228-001)

Note: Not for use with alcohol-based glycols.



HKV 1 1/4 in. Brass Manifolds							
Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
215528-001	4	30.0	11.81	1	5.0	11.0	1
215529-001	6	41.0	16.14	1	5.4	13.1	1

HKV 1 1/4 in. manifolds are for use in distributing and regulating the volume of flow in geothermal applications. HKV manifolds may be used with a variety of system fluids including propylene glycol, ethylene-based glycols and alcohol-based glycols. Manifolds are equipped with supply/shutoff valves and circuit balancing isolation valves which allow individual complete circuit isolation.

Pre-assembled and factory pressure-tested, these manifolds are for use with 1 and 1 1/4 in. RAUGEO PEXa UV shield pipe using REHAU manifold connections (sold separately).

Each HKV 1 1/4 in. manifold comes complete with the following:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Isolation valves on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Compatible with manifold valve actuator (Art. 260166). May be mounted in any orientation (e.g., inverted, horizontal). Mini thermometers (Art. 250218) are sold separately.

# 4. Compression-sleeve fittings

F2080 compression-sleeve fittings and sleeves are designed specifically for use with RAUGEO PEXa pipe. Installation is performed with RAUTOOL PEX pipe installation tools. Follow all published REHAU Technical Guidelines. F2080 compression-sleeve fittings are not certified for potable water applications.



Compression Sleeves						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260877-101	1 in. F2080 Sleeve	40	240	0.07	0.16	1 box
235507-101	1 1/4 in. F2080 Sleeve	25	150	0.11	0.26	1 box

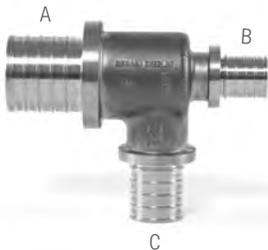
Sleeves are unplated brass. Tapered end installs toward fitting.



Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260427-101	1 x 1 in. F2080 Coupling	20	120	0.14	0.30	1 box
235517-101	1 1/4 x 1 in. F2080 Reducer Coupling	10	60	0.20	0.43	1 box
235527-101	1 1/4 x 1 1/4 in. F2080 Coupling	5	30	0.23	0.50	1 box



Plugs						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260497-101	1 in. F2080 Plug	30	180	0.09	0.20	1 box



F2080 Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260977-101	1 x 1 x 1 in. F2080 Tee	8	48	0.35	0.77	1 box
235657-101	1 1/4 x 1 x 1 in. F2080 Tee	5	30	0.42	0.93	1 box
235607-101	1 1/4 x 1 1/4 x 1 1/4 in. F2080 Tee	5	30	0.51	1.12	1 box



**Dual MPT Adapters**

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260437-101	1 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat)	15	90	0.19	0.43	1 box
730053-001	1 1/4 in. F2080 X 1 in. MPT or 3/4 in. C Female (Sweat)	5	30	0.19	0.41	1 box
235557-101	1 1/4 in. F2080 x 1 1/4 in. MPT or 1 in. C Female (Sweat)	5	30	0.33	0.73	1 box

Dual adapters connect RAUGEO PEXa pipe to either female threaded fittings or copper pipe. Make threaded or solder connections before connecting to RAUGEO PEXa pipe.

**FPT Adapters**



Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260487-101	1 in. F2080 x 1 in. FPT Adapter	10	60	0.23	0.51	1 box

FPT adapters connect RAUGEO PEXa pipe to male threaded fittings. Make threaded connections before connecting to RAUGEO PEXa pipe.

**Elbows**



Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260717-101	1 x 1 in. F2080 Elbow	10	60	0.25	0.56	1 box
235597-101	1 1/4 x 1 1/4 in. F2080 Elbow	8	48	0.37	0.82	1 box

**RAUGEO Manifold Adapter Assemblies**



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212104-001	1 in. x R-20 Manifold Adapter Assembly RAUGEO (Set)	1 set	0.36	0.80	1 set

The 1 in. x R-20 manifold adapter assembly will allow installers to connect 1 in. RAUGEO PEXa pipes to the PRO-BALANCE 1 1/4 in. manifold. Each assembly comes complete with the following articles, and will be partially pre-assembled with the 3/4 in. F2080 compression-sleeve joint already made:

- 2 x 267007-101: 3/4 in. R-20 adapter
- 2 x 260577-101: 3/4 in. F2080 compression sleeve
- 2 x 260877-101: 1 in. F2080 compression sleeve
- 2 x 260447-101: 1 x 3/4 in. F2080 reducer coupling
- 5 in. piece 3/4 in. RAUPEX white UV shield pipe





**Contact us (toll-free)****Canada**

Atlantic Canada (800) 561-9609  
Québec (800) 361-0830  
Ontario (800) 561-9609  
Western Canada (800) 561-9609

**United States**

Eastern US (800) 297-6371  
Western US (800) 944-1011

**Mexico**

(800) 917-3428

**Warranty**

REHAU stands behind our products with a 25-year limited warranty on PEXa pipe and fittings.

[www.na.rehau.com/warranties](http://www.na.rehau.com/warranties)

**Return policy**

Each return will be reviewed individually. No material may be returned without our written permission and return authorization number. Only standard articles sold within the previous 12 months may be returned, no returns will be accepted for non-standard articles. No returns for custom-cut lengths of pre-insulated pipes. The minimum return value is be \$100 USD. Product must be received in original packaging and articles must be in saleable condition, all products returned to the distribution center are subject to quality inspection. Packages must have original labels, customer label must be removed prior to return. Any material which is authorized to be returned will be subject to a minimum twenty-five (25) percent restocking fee.

**Updates**

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