

# RAUTITAN -The new generation

Reliable. Versatile. Secure.

The RAUTITAN system has been developed in collaboration with our industry partners across the globe; installers, designers, builders and developers. A complete and comprehensive building technology solution for water, fire sprinkler, gas and hydronic heating services complemented by the RAUTOOL range; the RAUTITAN system is reliable, versatile and secure.

25 year warranty\*

## **Quality**

Developed in collaboration with designers, installers, builders and developers across the globe RAUTITAN represents the result of over 60 years experience in polymer processing and industrial manufacturing.

Produced in state-of-the-art manufacturing facilities with advanced quality management processes ensures that all system components combine seamlessly, delivering a reliable and robust system. RAUTITAN PXsr polymer fittings are produced using state-of-the-art robotics technology to guarantee optimum quality. All RAUTITAN ONE fittings are 100% manufacturer pressure tested for unrivaled reliability.

As a global supplier of materials for a diverse range of industries REHAU understands what is required to get the job done.

#### Service

For more than 30 years REHAU has been supporting and servicing the Australia and New Zealand plumbing industry. Dedicated to ensuring our customers enjoy the best quality and service we are committed to having a qualified and local contact. With a team of qualified technical sales managers located across the region supported by our central design and engineering team in Sydney and local customer service.

The quality of any plumbing system is only as good as its design, installation and operation. REHAU training academies are available to ensure that the best of the system is realised.

## **Innovation**

As a partner of the global construction industry for nearly 50 years, REHAU is dedicated to meeting industry challenges such as sustainability, efficiency and reliability. With significant investment in R&D, REHAU has delivered countless patents and innovations such as the RAUTITAN PXsr polymer fitting. The RAUTITAN PXsr range not only provides for an easier installation with the easy-slide reversible sleeve, but also provides improvements with regard to hygiene. We continue to invest and develop new materials, designs and technology to meet the future requirements of our industry.

One tool, all applications

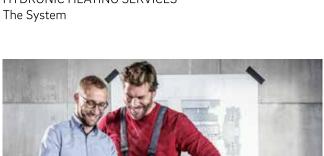
## System overview



RAUTITAN water and gas services 16 - 40mm



HYDRONIC HEATING SERVICES





**RAUTITAN** water services 50 - 63mm



**RAUVITHERM and RAUTHERMEX** 

**REHAU** services

One-stop Supplier of Quality Solutions

In locations with known problems of fitting corrosion or where the water is or is suspected to be highly corrosive (e.g. in volcanic areas, in installations using bore/well water or in applications using water with high sulphur content, etc), there is a danger that fittings corrode quickly. The suitability and warranty coverage of the RAUTITAN pipe system in such installations require a prior independent consultation with REHAU. In some cases, the accessible or nearby water quality may also void the REHAU warranty unless appropriate water treatment is provided.



RAUTITAN water and gas 16 - 40mm

## **RAUTITAN WATER AND GAS SERVICES**

### 16 - 40mm

**RAUTITAN** water service system was developed in collaboration with industry professionals in order to meet the needs of builders and the plumbing trade. Its quick and easy installation process has proven to be equally reliable. More importantly, savings can be made on time, labour and material costs.

The strength and flexibility of cross-linked high-density polyethylene (PE-Xa) pipes and PE-X/AL/PE composite pipes used together with a complete range of RAUTITAN ONE and MX (DZR brass) and RAUTITAN PX (polymer PPSU) fittings makes RAUTITAN a superior system that can be used in both residential and commercial applications.

#### **Advantages**

- Hot and cold water applications (PN20)
- Simple and fast installation
- Permanent leak-proof joint
- Inhibit corrosion and incrustation
- Colour differentiation between hot and cold water lines, recycled and rain water
- Suitable for concealed installation
- Joint integrity verified by visual inspection
- Reduces water hammer
- Maintenance free
- One sleeve all applications



**RAUTITAN ONE** is a comprehensive system for internal hot & cold water services, gas services and hydronic heating systems, including PE-Xa pipe, multi-layer (PEX-Al-PE) pipe, compression sleeve fitting system and a range of professional installation tools. The No.1 in New Zealand.

#### One Sleeve.

Easy-slide reversible sleeve for safe connections without leakage.

One Fitting – for easy, fast and secure connections.

If you use different pipe systems for water and gas installations, we recommend our RAUTITAN system. Now you can use one fitting and sleeve for both applications. Most convenient for your daily work.

#### **RAUTITAN PX**

Combining more than 60 years of world class expertise in polymer engineering and over 40 years of plumbing installations across the globe, REHAU is proud of the RAUTITAN next generation piping system - RAUTITAN PX: a revolutionary polymer fitting system.

RAUTITAN fittings are protected by Australian Design Registration No. 327395, 327396, 327397.

The RAUTITAN Water Services system is Easier, Faster and More Secure.



#### **EASIER**

REHAU's simple and secure compression sleeve joint is now even simpler. Forget about checking the sleeve end before making the joint and get the job done even quicker with the assurance that it is 100% secure.

#### **FASTER**

The RAUTITAN PX easy-slide reversible compression joint can be completed up to 20% faster and requires 30% less effort to make a joint. By reducing the compression force, we've extended the RAUTOOL battery life by up to 45%.

#### **MORE SECURE**

The advanced polymer materials of RAUTITAN PX have been engineered to the highest REHAU quality standards.

Tough and durable, these fittings offer 100% corrosion protection and peace of mind against scrap-value theft.

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# **Pipes**

#### PE-Xa



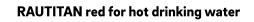
## RAUTITAN platinum for drinking water



REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
132300-005	16 x 2.2	-	5	-	100
132310-005	20 x 2.8	-	5	-	100
132320-005	25 x 3.5	-	5	-	25
132330-005	32 x 4.4	-	5	-	25
132340-005	40 x 5.5	-	5	- -	10
132300-100	16 x 2.2	100	-	100	-
132310-100	20 x 2.8	100	-	100	-
132320-050	25 x 3.5	50	-	50	=
132330-050	32 x 4.4	50	-	50	-

#### PE-Xa







REHAU Article	Size	m/Coil	m/Length	Раскаде (m) Coil	Straight Length
132520-005	16 x 2.2	=	5	-	100
132530-005	20 x 2.8	-	5	-	100
132540-005	25 x 3.5	-	5	-	25
132520-100	16 x 2.2	100	_	100	-
132530-100	20 x 2.8	100	_	100	-
132540-050	25 x 3.5	50	-	50	-

#### PE-Xa





## **RAUTITAN** lilac for recycled water

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
122200-050	16 x 2.2	50	-	50	-
122210-050	20 x 2.8	50	-	50	-
122220-050	25 x 3.5	50	_	50	-
122910-005*	32 x 4.4	-	5	-	25
122920-005*	40 x 5.5	-	5	-	10

<sup>\*</sup>non-standard article



#### **RAUTITAN** green for rainwater

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
104200-050	16 x 2.2	50	-	50	-
104210-050	20 x 2.8	50	-	50	-
104220-050	25 x 3.5	50	-	50	-
104230-050	32 x 4.4	50	-	50	-
104240-005	40 x 5.5	-	5	-	10



Non-Standard pipe range - Please check with your Sales Office for availability.

#### RAUTITAN stabil for drinking water and radiator connection - silver

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
130071-005	16.2 x 2.6	-	5	-	100
130081-005	20 x 2.9	-	5	-	50
130091-005	25 x 3.7	-	5	-	40
130101-005*	32 x 4.7	-	5	-	25
130111-005*	40 x 6.0	-	5	-	15
130121-100*	16.2 x 2.6	100	-	100	-
130131-100*	20 x 2.9	100	-	100	- -
130141-050*	25 x 3.7	50	-	50	-



#### RAUTITAN gas stabil for gas application

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
180322-005	16.2 x 2.6	-	5	-	100
180332-005	20 x 2.9	-	5	-	50
180342-005	25 x 3.7	-	5	-	40
180352-005*	32 x 4.7	-	5	-	25
166046-505*	40 x 6.0	-	5	-	15
180322-100	16.2 x 2.6	100	-	100	-
180332-100	20 x 2.9	100	-	100	-
180342-025	25 x 3.7	25	-	25	-
180352-025*	32 x 4.7	25	-	25	-

PE-X/AL/PE





<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.

<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.

# **Pipes**



#### RAUTITAN platinum in conduit for drinking water

REHAU Article	Size	m/Coil	Package (m) Coil
132280-050	16 x 2.2	50	50
132290-050	20 x 2.8	50	50



#### **Conduit only for RAUTITAN - black**

REHAU Article	Size	m/Coil	OD (mm)	ID (mm)	Package (m) Coil
137160-025	25	25	35	28	25



#### RAUTITAN platinum pipe with 13 mm concentric insulation (silver) for drinking water

	REHAU Article	Size	m/Coil	Package (m) Coil
_	132370-050	16 x 2.2	50	50
	132380-050	20 x 2.8	50	50



## Protective conduit (PE) for gas pipe protection

Article	Size	OD mm	ID mm	Package (m) Coil
180252-050	16	24	19	50
180262-050	20	28	23	50
180282-025	25/32	42	36	25





 $<sup>^{1)}</sup>$  Non standard item. Please check with your sales office for availability.

#### **RAUTITAN PX compression sleeve - polymer**

REHAU Article	Size	Package Piece
160001	16	100
160002	20	100
160003	25	100
160004	32	50
160005	40	25



#### **RAUTITAN One connection barb - male - brass**

Suitable for Australian copper pipe sizes in accordance with AS 1432.

REHAU Article	Size	OD DN	ID DN	Package Piece
217435	16	15	-	10 / 50
217436	20	20	-	10 / 50
217437	25	25	20	10 / 50
217438*	32	32	25	3 / 30



OD of connection barb = copper type A or B. Copper pipe has to be expanded before brazing.

ID of connection barb = size of copper pipe to fit inside of connection barb for brazing.





<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.





## RAUTITAN PX no. 1 straight coupling - polymer

REHAU Article	Size	Package Piece/Box
160011	16	10 / 50
160012	20	10 / 50
160013	25	10 / 50
160014	32	10 / 30
160015	40	4







## **RAUTITAN ONE No. 1 Straight coupling - brass**

REHAU Article	Size	Package Piece/Box
216973	16	10 / 50
216974	20	10 / 50
216975	25	10 / 50
216976	32	10 / 30
216977	40	4





## RAUTITAN PX no. 1R reducing coupling - polymer

REHAU Article	Size	Package Piece/Box
160041	20 - 16	10 / 50
160042	25 - 16	10 / 50
160043	25 - 20	10 / 50
160044	32 - 25	10 / 30
160047	40 - 32	4







## **RAUTITAN ONE no. 1R reducing coupling - brass**

REHAU Article	Size	Package Piece/Box
216978	20 - 16	10 / 50
216979	25 - 16	10 / 50
216980	25 - 20	10 / 50
216981	32 - 25	10 / 30
216982	40 - 32	5 / 25





## **RAUTITAN ONE no. 2 straight connector - female thread - brass**

REHAU Article	Size	Package Piece/Box
216995	16 - Rp½" Fl	10 / 50
218614	20 - Rp½" Fl	10 / 50
216996	20 - Rp <sup>3</sup> ⁄4" Fl	10 / 50
216997	25 - Rp <sup>3</sup> ⁄4" Fl	10 / 50
216998	25 - Rp1" Fl	10 / 50
216999	32 - Rp1" Fl	10 / 30



#### RAUTITAN ONE no. 3 straight connector - male thread - brass

REHAU Article	Size	Package Piece/Box
216989	16 - R½" Ml	10 / 50
218609	16 - R³¼" Ml	10 / 50
216990	20 - R½" Ml	10 / 50
216991	20 - R³¼" Ml	10 / 50
218611	20 - R1" Ml	10 / 50
216992	25 - R³⁄₄" Ml	10 / 50
218612	25 - R1" Ml	10 / 50
218613	32 - R³⁄4" Ml	10 / 30
216993	32 - R1" Ml	10 / 30
216994	40 - R1¼" Ml	5 / 25



#### RAUTITAN PX no. 12 elbow 90°- polymer

REHAU Article	Size	Package Piece/Box
160021	16	10 / 50
160022	20	10 / 50
160023	25	10 / 50
160024	32	3 / 30
160025	40	2



#### RAUTITAN ONE no. 12 elbow 90°- brass

REHAU Article	Size	Package Piece/Box
216984	16	10 / 50
216985	20	10 / 50
216986	25	10 / 50
216987	32	3 / 30
216988*	40	1



<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.







## RAUTITAN PX elbow 45° - polymer



REHAU Article	Size	Package Piece/Box
160055*	40	2

<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.







#### RAUTITAN One no. 13 elbow - male thread - brass

REHAU Article	Size	Раскаде Piece/Box
218661	16 - R½" Ml	10 / 50
218662	20 - R½" Ml	10 / 50
218663	20 - R <sup>3</sup> ⁄4" Ml	10 / 50
217425	25 - R <sup>3</sup> ⁄4" Ml	10 / 50
217461	25 - R1" Ml	10 / 50
217426	32 - R1" Ml	3 / 30
217428*	40 - R1¼" Ml	1

<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.







#### RAUTITAN One no. 14 elbow - female thread - brass

REHAU Article	Size	Package Piece/Box
218664	16 - Rp½" Fl	10 / 50
218665	20 - Rp <sup>3</sup> ⁄4" Fl	10 / 50







#### RAUTITAN One no. 15 BP elbow - female thread - brass

REHAU Article	Size	Package Piece/Box
217429	16 - Rp½" Fl	10 / 50
106511	20 - Rp½" Fl	10 / 50
217431	20 - Rp³¼" Fl	25 / 50
218682	25 - Rp1" Fl	10 / 50
217462	32 - Rp1" Fl	5 / 25





#### RAUTITAN ONE no. 19 BP elbow - male parallel thread - brass





REHAU Article	Size	Thread Length	Package Piece/Box
218668	16 - G½" B Ml ext. 65 mm	32mm	25 / 50
218669	16 - G½″ B Ml ext. 90 m	50mm	25 / 50
218671	16 - G½" B Ml ext. 200 mm	140mm	10 / 30
218672	20 - G½" B Ml ext. 95 mm	50mm	25 / 50
218673	20 - G½" B Ml ext. 200 mm	140mm	10 / 30
218674*	20 - G¾" B Ml ext. 95 mm	50mm	10 / 30
118003*	20 - G¾" B Ml ext. 200 mm	140mm	10 / 30



#### Gas Application:

Where no practical alternative is available, AS/NZS 5601.1 allows connections between a No. 19 BP with parallel thread to an internal (female) parallel thread. The installation must comply with AS/NZS 5601.1 Clause 4.4. Connection with No. 19 BP tapered thread shall be preferred.

#### RAUTITAN ONE no. 19 BP elbow - male taper thread - brass

REHAU Article	Size	Package Piece/Box
217439	16 - R½" MI ext. 90 mm	25 / 50
217441	16 - R½" MI ext. 200 mm	10 / 30
217442	20 - R½" MI ext. 95 mm	25 / 50
217443	20 - R½" MI ext. 200 mm	10 / 30



#### RAUTITAN PX no. 24 T-piece - polymer

REHAU Article	d1	d2	d3	Piece(s)/Package
160031	16	16	16	10
160032	20	20	20	10
160033	25	25	25	10
160034	32	32	32	3
160035	40	40	40	1







<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.





## **RAUTITAN ONE no. 24 T-piece - brass**



<b>REHAU Article</b>	d1	d2	d3	Piece(s)/Package
216948	16	16	16	10
216951	20	20	20	10
216954	25	25	25	10
216955	32	32	32	3
216956	40	40	40	1

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## RAUTITAN PX no. 25 T-piece - reduced centre - polymer



REHAU Article	d1	d2	d3	Piece(s)/Package
160061	20	16	20	10
160062	25	16	25	10
160063	25	20	25	10
160064	32	16	32	3
160065	32	20	32	3
160066	32	25	32	3
160067	40	20	40	1
160068	40	25	40	1
160069	40	32	40	1

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### **RAUTITAN ONE no. 25 T-piece - reduced centre - brass**



REHAU Article	d1	d2	d3	Piece(s)/Package
216957	20	16	20	10
216959	25	16	25	10
216960	25	20	25	10
216961	32	20	32	10
218592	32	16	32	3
216962	32	25	32	3
218598	40	20	40	3
218601	40	25	40	3
218602	40	32	40	3





#### RAUTITAN PX no. 26 T-piece - reduced end - polymer

REHAU Article	d1	d2	d3	Package Piece/Box
160071	20	20	16	10 / 50
160072	25	25	16	10 / 50
160073	25	25	20	10 / 50
160074	32	32	20	3 / 15
160075	32	32	25	3 / 15





### **RAUTITAN ONE no. 26 T-piece - reduced end - brass**

REHAU Article	d1	d2	d3	Package Piece/Box
216963	20	20	16	10 / 50
216964	25	25	20	10 / 50



### RAUTITAN PX no. 27 T-piece - reduced centre and end - polymer

REHAU Article	d1	d2	d3	Package Piece/Box
160081	20	16	16	10 / 50
160082	25	16	16	10 / 50
160085	25	20	20	10 / 50
160086*	32	20	20	3 / 15
160091	32	25	25	3 / 15
160092*	40	32	32	1



#### RAUTITAN ONE no. 27 T-piece - reduced centre and end - brass

REHAU Article	d1	d2	d3	Package Piece/Box
216965	20	16	16	10 / 50
218603*	25	16	16	10 / 50
216969	25	20	20	10 / 50
218606	32	20	20	10 / 50
216970*	32	25	25	3 / 30



<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.





 $<sup>{}^*\</sup>mbox{Non-Standard item}$  - Please check with your Sales Office for availability.



#### RAUTITAN PX no. 27 T-piece - unequal reduced centre and end - polymer

REHAU Article	d1	d2	d3	Package Piece/Box
160083	25	16	20	10 / 50
160084*	25	20	16	10 / 50
160087*	32	20	25	3 / 15
160089*	32	25	20	3 / 15

<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.



#### RAUTITAN ONE no. 27 T-piece - unequal reduced centre and end - brass

_	REHAU Article	d1	d2	d3	Package Piece/Box
_	218604	25	16	20	10 / 50
	218605*	25	20	16	10 / 50

<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.



#### RAUTITAN PX no. 28 T-piece - reduced ends - polymer

		•	•	•	Package
_	REHAU Article	d1	d2	d3	Piece/Box
3 -	160101	16	20	16	10 / 50
	160102*	16	25	16	10 / 50
	160103*	20	25	16	10 / 50
	160104	20	25	20	10 / 50
	160106*	25	32	25	3 / 15

 $<sup>{}^\</sup>star \mbox{Non-Standard item}$  - Please check with your Sales Office for availability.



#### RAUTITAN ONE no. 28 T-piece - reduced ends - brass

REHAU Article	<b>d</b> 1	d2	d3	Package Piece/Box
218607	16	20	16	10 / 50
218608*	20	25	20	10 / 50

<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.





#### **RAUTITAN ONE no. 61 stopper - brass**



REHAU Article	Size	Package Piece/Box
217433	16	10 / 100
217434	20	10 / 50





#### RAUTITAN MX no. 62 straight tap connector - brass

REHAU Article	Size	Package Piece/Box
228724	16 x G½" Fl Nut	25 / 50
228718	20 x G <sup>3</sup> ⁄ <sub>4</sub> " Fl Nut	25 / 50



Not suitable for gas application

### RAUTITAN MX no. 62 straight tap connector with gasket - brass

REHAU Article	Size	Package Piece/Box
139551	16 x G½" FI Nut	10 / 50
139561	20 x G½" FI Nut	10 / 50
139571	20 x G <sup>3</sup> ⁄4" FI Nut	10 / 50
139912	25 x G <sup>3</sup> ⁄4" FI Nut	10 / 50
139922	25 x G1" FI Nut	10 / 50



Not suitable for gas application

#### RAUTITAN MX no. 63 bent tap connector - brass

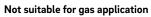
REHAU Article	Size	Package Piece/Box
228719	16 x G½" Fl Nut	25 / 100
228720	20 x G <sup>3</sup> ⁄4" Fl Nut	25 / 100



Not suitable for gas application

#### RAUTITAN MX no. 5 lugged nipple - brass

REHAU Article	Size	Package Piece/Box
233814	16 x G½" B MI	25 / 100



#### **RAUTITAN Hose plate**

REHAU Article	Size	Package Piece/Box
106521	16 x Rp½"	10 / 50

Not suitable for gas application











## **Accessories**



## Profile bend bracket 90° x 3D

	Package
Size	Piece/Box
16	10 / 100
20	10 / 100
25	10 / 50
32	5 / 50
	16 20 25

 $<sup>{}^\</sup>star \text{Non-Standard item}$  - Please check with your Sales Office for availability.



#### Profile bend bracket 90° x 5D

			Package
_	REHAU Article	Size	Piece/Box
	258408	16	10 / 50
	258798	20	10 / 50
	257249	25	10 / 50



#### Open clip

REHAU Article	Size	Piece
235695	16 (masonry nail)	100
235705	20 (masonry nail)	100
235715	25 (masonry nail)	100
235725	16 (metal screw)	100
235735	20 (metal screw)	100



#### **Anchor clip**

		Package
REHAU Article	Size	Piece
235585	16 (with pre-drill nail)	100
235595	20 (with pre-drill nail)	100

## Pipe clip-on support channel \*

	REHAU Article	Size	m/length	Package (m) Pack
_	138033	16	3	30
	138043	20	3	30
	138053	25	3	30
	138063	32	3	30
	138073	40	3	15



<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.

## **RAUTOOL**



#### **RAUTOOL-L1 Chain Tool Kit**

REHAU Article	Description	Package Set
137855-001	RAUTOOL L1 Chain tool kit manual	1
Content of RAU	TOOL L1 Chain Tool Kit:	
131888	L1 tool 16-25 mm with jaws	
217468	Dual expander head 16-20 mm QC	
214176	Expander tool QC	
137495	Pipe cutters 16-25 mm	



## **RAUTOOL A-Light2 Kit**

REHAU Article	Description	Package Set	
219192	RAUTOOL A-Light2 kit, battery operated	1	
Content of RAU1	TOOL A-Light2 kit :		
1x	Compression tool inclusive of holding pins set, Li-ion battery (1 pc) and battery charger (1 pc)		
1x	Compression Jaws, hydraulic: 16/20		
1x	Expander tool QC with cleaning brush and lubricant gel		
1x	Dual Expander head QC 16 x 2.2 / 20 x 2.8		
1x	Pipe cutter 16-20 stabil		
1x	Transport case		
1x	Operating instructions		



## **RAUTOOL M1 Kit** \*

REHAU Article	Description	Package Set
219049	RAUTOOL M1 kit, manual	1
Content of RAUT	OOL M1 kit :	
1x	Compression tool inclusive of holding pins set	
1x	Compression jaws, manual: 16 / 20	
1x	Expander tool QC inclusive of cleaning brush and lubricant gel	
1x	Dual Expander head QC 16 x 2.2 / 20 x 2.8	
1x	Pipe cutter 16-20 stabil	
1x	Transport case	
1x	Operating instructions	

<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.

#### **RAUTOOL-L1 Chain Tool**

REHAU Article	Description	Package Piece
131888	L1 tool with 16-25mm jaws only	1



## RAUTOOL A-Light 2 skin only

REHAU Article	Description	Package Piece
216712	NO-BATT-NO PINS-NO ACCESS & NO BOX	1



## **RAUTOOL Xpand Tool only**

REHAU Article	Description	Package Piece
216820	RAUTOOL Xpand 16x40mm (Expander heads sold	1
210020	seperately)	I



## Pipe cutters

REHAU Article	Description / Size	Suits Pipe Type	Package Piece
247474	16 - 20	PE-Xa, PE-X/AL/PE	1
137495	16 - 25	PE-Xa	1
138062	16 - 40	PE-Xa, PE-X/AL/PE 25 - 40	1







## **RAUTOOL**

#### **Compression Jaws**



REHAU Article	Size	Suits RAUTOOL	Package
137744*	16 / 20	M1	1
137364*	25 / 32	M1	1
201798*	40	M1	1
139361	16 / 20	A3, A-Light2	1
257259	25 / 32	A3, A-Light2	1
201801	40	A3, A-Light2	1
205133*	16 / 20 / 25mm	A-Light2	1
108863*	25mm	L1 Tool	2

L1 Tool

Piece(s)/

16 / 20 mm

## **Expander heads**

190896\*







REHAU Article	Size	Suits Pipe Type	Suits Expander Tool*	Piece(s)/ Package
217468	Dual 16 x 2.2 / 20 x 2.8	PE-Xa SDR 7.4	QC	1
214172	25 x 3.5	PE-Xa	QC	1
214175	32 x 4.4	PE-Xa	QC	1
209224	16.2 x 2.6	PE-X/AL/PE	QC	1
209225	20 x 2.9	PE-X/AL/PE	QC	1
209226	25 x 3.7	PE-X/AL/PE	QC	1
209227*	32 x 4.7	PE-X/AL/PE	QC	1
131567*	25 x 2.3	PE-Xa (SDR 11) <sup>1)</sup>	QC	1
137193*	32 x 2.9	PE-Xa (SDR 11) <sup>1)</sup>	QC	1

 $<sup>^{\</sup>star}$  Non standard item. Please check with your sales office for availability.  $^{1\!)}$  For RAUTHERM S and RAUVITHERM pipe

<sup>\*</sup>Non-Standard item - Please check with your Sales Office for availability.

## **Expander bits**

REHAU Article	Size	Suits Pipe Type	Suits RAUTOOL	Piece(s)/ Package
244611	40 x 5.5	PE-Xa	A3, A-Light2	1
248401	Dual 16 x 2.2 / 20 x 2.8	PE-Xa	A3, A-Light2	1
247644	40 x 6.0 RO	PE-X/AL/PE	A3, A-Light2	1
217469	Universal 25 / 32 QC	PE-Xa, PE-X/AL/PE*	A3, A-Light2	1
138323	40 x 3.7	PE-Xa	A-Light 2 <sup>1)</sup>	1



### Expander tool QC (to suit expander heads 16 - 32 RO and QC)

REHAU Article	Description	Piece(s)/ Package
214176	Expander tool QC with Quick Change connection	1
	inclusive of cleaning brush and lubricant gel	



Requires additional expander heads QC.

<sup>&</sup>lt;sup>1)</sup> For RAUVITHERM and SDR11

## Notes




RAUTITAN water services 50 - 63mm

# **Contents**

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RAUTOOL 34

# **Pipes**

#### RAUTITAN platinum for drinking water

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
132350-005	50 x 6.9	-	5	-	5 / 25
132360-005	63 x 8.6	-	5	-	5 / 20



PE-Xa

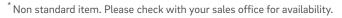
#### **RAUTITAN** lilac for recycled water

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
122930-005*	50 x 6.9	-	5	50	5 / 25
122940-005*	63 x 8.6	-	5	50	5 / 20



#### **RAUTITAN** green for rainwater

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
104250-005*	50 x 6.9	-	5	-	5 / 25
104360-005*	63 x 8.6	-	5	-	5 / 20









## **RAUTITAN MX compression sleeve - brass**

REHAU Article	Size	Package Piece/Box
139771	50	1/25
139781	63	1/25



### **RAUTITAN MX no. 1 straight coupling - brass**

REHAU Article	Size	Package Piece/Box
139741	50	1
139751	63	1



## RAUTITAN MX no. 1R reducing coupling - brass

REHAU Article	Size	Package Piece/Box
137863	50 - 32	5 / 25
137843	50 - 40	1
137853	63 - 50	1



#### RAUTITAN MX no. 3 straight connector - male thread - brass

REHAU Article	Size	Package Piece/Box
139701*	50 - R 1¼" Ml	5 / 25
139711	50 - R 1½" Ml	1
139721	63 - R2" Ml	1

 $<sup>^{\</sup>ast}$  Non standard item. Please check with your sales office for availability.



#### RAUTITAN MX no. 12 elbow 90° - brass

REHAU Article	Size	Package Piece/Box
139882	50	1
137873	63	1



#### RAUTITAN MX no. 13 elbow 45° - male thread - brass

REHAU Article	Size	Package Piece/Box
137094	50	1
137104	63	1



## **RAUTITAN MX no. 24 T-piece - brass**

REHAU Article	d1	d2	d3	Package Piece/Box
137155	50	50	50	1
137165	63	63	63	1



**○** Water Services



## RAUTITAN MX no. 25 T-piece - reduced centre - brass

REHAU Article	d1	d2	d3	Package Piece/Box
230348	50	20	50	1
230358	50	25	50	1
139792	50	32	50	1
137089	50	40	50	1
230328	63	20	63	1
230338	63	25	63	1
137175	63	32	63	1
137074*	63	40	63	1
137084*	63	50	63	1

 $<sup>^{\</sup>ast}$  Non standard item. Please check with your sales office for availability.



#### RAUTITAN MX no. 27 T-piece - reduced center and ends - brass

REHAU Article	d1	d2	d3	Package Piece/Box
137195*	50	32	40	1
137205*	63	32	50	1

 $<sup>^{\</sup>ast}$  Non standard item. Please check with your sales office for availability.

## **Accessories**

## Pipe clip-on support channel

REHAU Article	Size	m/length	Package (m) Pack
138083*	50	3	15
138093*	63	3	15



 $<sup>^{\</sup>ast}$  Non standard item. Please check with your sales office for availability.

## **RAUTOOL**



#### **RAUTOOL G2 Kit**

REHAU Article	Description	Package Set
315099*	RAUTOOL G2 kit, electro hydraulic	1
Content of RAU	TOOL G2 kit :	
1x	Compression tool inclusive of holding pins set, electric pump HMP 1 and hydraulic hose 4 m, Li-ion battery (1pc) and battery charger (1pc)	
1x	Compression jaws, G2: 50	
1x	Compression jaws, G2: 63	
1x	Expander head G2: 50 x 6.9	
1x	Expander head G2: 63 x 8.6	
1x	Deburrer	
1x	Pipe cutter 40 - 63	
1x	Transport case	
1x	Operating instructions	

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

#### Pipe cutter



REHAU Article	Size	Package Piece
131558*	40 - 63	

<sup>\*</sup> Non standard item. Please check with your sales office for availability.



#### Compression jaws for RAUTOOL G2

REHAU Article	Size	Package Piece/Box
201802*	40	1
137624*	50	1
137634*	63	1

 $<sup>\</sup>ensuremath{^{\star}}$  Non standard item. Please check with your sales office for availability.

## Expander head for RAUTOOL G2

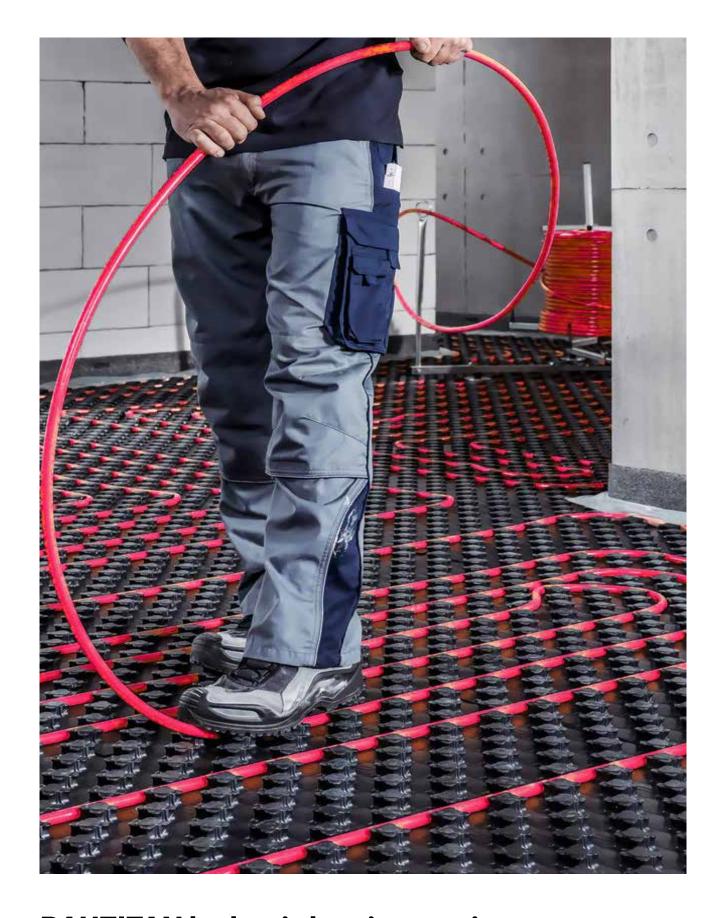
			Package
REHAU Article	Suits Pipe Type	Size	Piece/Box
139881*	PE-Xa	G2: 40 x 5.5	1
139891*	PE-Xa	G2: 50 x 6.9	1
139901*	PE-Xa	G2: 63 x 8.6	1
138463*	PE-Xa	G 40 x 3.7	1
137424*	PE-Xa	G 50 x 4.6	1
137434*	PE-Xa	G 63 x 5.7	1



For RAUVITHERM and SDR11

 $<sup>\</sup>ensuremath{^{\star}}$  Non standard item. Please check with your sales office for availability.

## Notes



**RAUTITAN** hydronic heating services



# **Hydronic heating services**The System

Drawing on over 50 years experience in the plumbing and heating industry across the globe, REHAU has developed a comprehensive hydronic heating solution that systematically addresses the needs of designers, installers, builders and homeowners alike. REHAU Hydronic Heating is an integrated system consisting of the world class RAUTHERM S, RAUTITAN pink piping systems and RAUTITAN stabil composite pipe, solid stainless steel manifolds, numerous floor systems to meet almost any installation challenge, and flexible and sophisticated control systems to maximise the complete system performance.

## The system consists of:

- Pipe
- Manifold
- Floor system
- Controls
- Accessories



#### PIPE

- Secure and robust piping (PE-Xa) system
- Maximum protection against corrosion with EVOH oxygen barrier
- More than 50 years of expected service life
- Up to 90°C or 6 bar (600 kpa) operating conditions.



## MANIFOLD

- Pre-assembled manifold system for all installations
- Slim line design for fixing in narrow wall spaces



## **Controls**

- Simple set-up ensures each job is completed safely and with minimal time
- Comprehensive range of modern design room thermostats with a variety of functionality specifically designed for underfloor heating
- Floor sensor available



## Accessories

- Simple, secure and reliable compression sleeve jointing technology
- RAUTOOL professional range of manual, battery and electric hydraulic tool kits to suit every installer's needs.

## **Hydronic Heating Projects**

REHAU Hydronic Heating Service is suitable for residential as well as commercial and industrial projects, such as:



Cold stores



Airports



Churches



Car dealer showrooms



Universities

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PE-Xa

# Floor Systems Pipe

#### **RAUTHERM S for underfloor heating**

RAUTHERM S pipe is made from peroxide-crosslinked polyethylene (PE-Xa) with an oxygen barrier.

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
136130-500	16 x 2.0	500	-	500	-
139800-400*	20 x 2.0	400	-	400	-



### RAUTITAN PINK pipe is made from peroxide-crosslinked polyethylene (PE-Xa) with an oxygen barrier.

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
136042-006*	16 x 2.2	-	6	-	60
136052-006	20 x 2.8	-	6	-	60
136062-006	25 x 3.5	-	6	-	30
136072-006*	32 x 4.4	-	6	-	30
136082-006*	40 x 5.5	-	6	-	12
136042-200	16 x 2.2	200	-	200	-
136052-120*	20 x 2.8	120	-	120	-
136062-050	25 x 3.5	50	-	50	-
136072-050*	32 x 4.4	50	-	50	-



### **RAUTITAN** stabil for radiator connections and water services

Multi-layer pipe consisting of self-supporting pressure resistant inner layer of cross-linked polyethylene; middle layer of butt welded aluminum and polyethylene outer coating. Durable heat resistant primer provides superior adhesion performance ensuring the three layers behave as one over the service life.

REHAU Article	Size	m/Coil	m/Length	Package (m) Coil	Straight Length
130071-005	16.2 x 2.6	-	5	-	100
130081-005	20 x 2.9	-	5	-	50
130091-005	25 x 3.7	-	5	-	40
130101-005*	32 x 4.7	-	5	-	25
130111-005*	40 x 6.0	-	5	-	15
130121-100*	16.2 x 2.6	100	-	100	-
130131-100	20 x 2.9	100	-	100	-
130141-050	25 x 3.7	50	-	50	-



 $Note: Other\ pipe\ lengths\ are\ available\ for\ projects.\ Please\ check\ with\ your\ local\ REHAU\ Sales\ Office\ for\ availability.$ 

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

 $<sup>\</sup>ensuremath{^{\star}}$  Non standard item. Please check with your sales office for availability.

## Floor Systems

## Stainless steel manifold

## Stainless steel manifold system HKV-D

Solid stainless steel manifolds delivered pre-assembled and ready to install. Comprising  $2 \times 1^n$  flow and return sections mounted on galvanised brackets. Well engineered robust construction and slim dimensions facilitate fixing in narrow wall spaces. (For connection to pipe, see manifold unions on page 43). Circuit screw connections  $\frac{3}{4}$  external thread euro-cone for polymer or multilayer pipes.



Individual circuits can be closed off by turning the heads of the flow meters.

#### Each manifold set includes:

- Combined flow meter and quick-stop
- 2x combination isolating / venting and drain valves with washers
- Galvanised brackets with sound insullation inserts
- Labels for identifying circuits
- 1x balancing key
- 1x set of fixing screws

#### Stainless Steel Flow Meter Manifold

Description	REHAU Article	Piece(s)/Package
Stainless steel flow meter manifold - HKV - D 2 (2 port)	208021	1
Stainless steel flow meter manifold - HKV - D 3 (3 port)	208031	1
Stainless steel flow meter manifold - HKV - D 4 (4 port)	208041	1
Stainless steel flow meter manifold - HKV - D 5 (5 port)	208051	1
Stainless steel flow meter manifold - HKV - D 6 (6 port)	208061	1
Stainless steel flow meter manifold - HKV - D 7 (7 port)	208071	1
Stainless steel flow meter manifold - HKV - D 8 (8 port)	208081	1
Stainless steel flow meter manifold - HKV - D 10 (10 port)	208101	1
Stainless steel flow meter manifold - HKV - D 12 (12 port)	208121	1
Isolating ball valve set (2 x 1")*	208122	1

<sup>\*</sup>Isolating ball valve set not included, to be ordered separately

# Floor Systems

## Manifold accessories

## Manifold unions for RAUTITAN pink and RAUTHERM S

Brass manifold union to connect RAUTITAN pink or RAUTHERM S pipe to manifold systems, include polymer compression ring and compression nut. Integral fitting/insert design provides positive clamping and sealing action with polymer compression ring.

REHAU Article	Description	Package Piece
266352	Manifold unions for RAUTITAN pink, RAUTHERM S - 16 x 2.2 mm / 16 x 2.0 mm	10 / 100
266362*	Manifold unions for RAUTITAN pink - 20 x 2.8 mm	10 / 100
250617	Manifold unions for RAUTHERM red - 20 x 2.0 mm	2 / 100



 $<sup>\</sup>ensuremath{^{\star}}$  Non standard item. Please check with your sales office for availability.

## **Controls**

## Thermostats and zone control

#### **NEA** zone controls

REHAU NEA Zone control system is a digital control system specifically designed to give optimum and accurate control of underfloor heating system. It is simple to install has high functionality with a sleek-looking digital interface.



## **THERMOSTAT HT**

The NEA HT thermostat is a PI room thermostat used to control actuators using pulse width modulation. It offers excellent and precise control response. Its digital interface is sleek an sophisticated yet simple to control temperature, timer function and set-back/holiday/party modes. Can control up to 5 actuators.

REHAU Article	Description	Package Piece
337024	Thermostat HT	1



#### THERMOSTAT HCT

NEA HCT thermostat provides the added functionality of an external temperature sensor which can be used to control slab temperature or air temperature while the thermostat is hidden away from view. It also includes timer function and set-back/holiday/Party modes. Controls up to 5 actuators.

		Package
REHAU Article	Description	Piece
338024	Thermostat HCT	1



### **NEA** external sensor

NEA external temperature sensor is connected to the NEA HCT thermostat to allow external control of air or slab temperature.

REHAU Article	Description	Package Piece
214451*	NEA external sensor	1

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

### **NEA WIRING CENTRE H 24V**

NEA wiring centre is the centre of the NEA zone control system. All thermostats, actuator connections terminate here. The 24V centre is simple to wire using 3 or 4 core 1.5mm<sup>2</sup> signal wire between thermostats and wiring centre. Also comes with a 230V capable switch for controlling a single pump/boiler. 230V to 24V transformer must be ordered separately.



REHAU Article	Description	Piece
342024	NEA wiring centre HC 6-channel	1

### **NEA TRANSFORMER**

Converts 230V to 24V to power the NEA wiring centre.

REHAU Article	Description	Package Piece
299954*	NEA transformer	1



### **Actuator UNI**

The actuator allows individual control of circuits by opening and closing the corresponding isolating valve on the manifold. The actuator is controlled by room thermostat NEA.

REHAU Article	Description	Package Piece
320275	Actuator UNI - 230 V	1
320276	Actuator UNI - 24 V for NEA	1



<sup>\*</sup> Non standard item. Please check with your sales office for availability.

## **Controls**

## Flow temperature control



## **REHAU** controller set flex

The controller set flex is used to regulate the desired flow temperature - it is even convertible to heating/cooling station. It connects to REHAU manifold with flat sealing union and the assembly can be done on the left or right side of the manifold. The controller set flex can be used for retrofitting or extending of the existing heater systems for REHAU underfloor heating.

For connection to flow/return pipe use No.3 straight connector 3/4" - see page 49.

REHAU Article	Description	Package Piece
318545	REHAU UFH Flex mixer for REHAU manifold	1

# **Accessories**Conduit and fittings

## **RAUTITAN** conduit

REHAU Article	Description	Package Coil (m)
180252-050	RAUTITAN conduit - 16 (yellow)	50
180262-050	RAUTITAN conduit - 20 (yellow)	50
137160-025	RAUTITAN conduit - 25 (black)	25



## Radiator bends and accessories

Stainless steel radiator bends are used to provide an attractive connection between REHAU RAUTITAN pink or stabil pipe to the radiator valves.

REHAU Article	Description	Size	Tail OD	Length	Package piece
266242	Radiator bend	16	15 mm	250 mm	5
240931	Radiator bend	16	15 mm	500 mm	10
240601*	Radiator connection union set G 3/4 - 15				1/25
240711	Radiator adaptor set G 1/2 x G 3/4 eurocone				1/50
240457*	Radiator bend fixing unit				10
268764*	RAUTOOL expander head (Radiator) 15 x 1.0				1/10



## **RAUTITAN PX sleeve - polymer**

Size	Package piece
16	100
20	100
25	100
32	50
40	25
	16 20 25 32



<sup>\*</sup> Non standard item. Please check with your sales office for availability.

# ACCESSORIES CONDUIT AND FITTINGS



## RAUTITAN PX no. 1 straight coupling - polymer

ge :
)
)
0
0
(



## RAUTITAN ONE no. 2 straight connector - female thread - brass

REHAU Article	Size	Package Piece
216997	25 - R¾" Fl	10 / 50
216999	32 - R1" Fl	10 / 50



## RAUTITAN ONE no. 3 straight connector - male thread - brass

REHAU Article	Size	Package Piece
216992	25 - R¾" Ml	10 / 50
218612	25 - R1" Ml	10 / 50
218613	32 - R¾" Ml	10 / 30
216993	32 - R1" MI	10 / 30



## RAUTITAN ONE no. 13 elbow - male thread - brass

REHAU Article	Size	Package Piece
217425	25 - R¾" Ml	10 / 50
217426	32 - R1" Ml	3 / 30

## Polymer profile bend brackets 90° x 5D

REHAU Article	Description	Package Piece
297891	Polymer profile bent brackets 90° x 5D - 16	10 / 50
297892	Polymer profile bent brackets $90^{\circ} \times 5D - 20$	10 / 50
299894	Polymer profile bent brackets 90° x 5D - 25	10 / 50



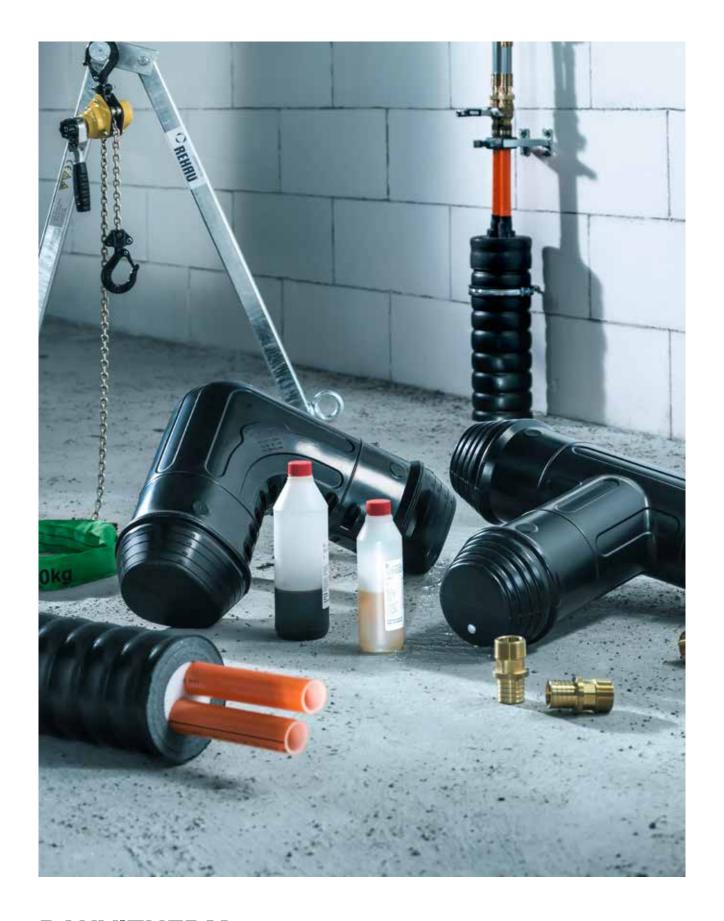
## Pipe unwinder\*

Galvanised steel pipe unwinder suitable for RAUTITAN pipe, RAUTITAN stabil and RAUTHERM S pipes in nominal width up to 20mm and pipe coils up to 600m.

REHAU Article	Description	Package Piece
286151	Pipe unwinder	1



<sup>\*</sup> Non standard item. Please check with your sales office for availability.



# **RAUVITHERM**

# **REHAU EVERLOC™ Jointing Technology**

RAUVITHERM uses the renowned REHAU EVERLOC™ jointing technology. The permanent fitting has been used on all PE-Xa systems since 1987 offering:

Reliability

No O-Ring ensuring a leakproof joint

Security

Over 500 million joints installed worldwide

Quality

Over 25 years experience offering REHAU PE-Xa pipe + one joint + one tool concept







### **RAUVITHERM SDR 11**

- Suitable for up to max. 95 °C (short bursts) Properties:

and 6 bar

- Delivery: in coils

- Carrier pipes Comprising:

- Insulation - Outer jacket

Material:

- Carrier pipes: cross-linked polyethylene (PE-Xa) in accordance with DIN 16892/93 and DIN EN 15632 with orange oxygen diffusion barrier (EVOH) in accordance with

DIN 4726

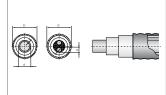
- Insulation: cross-linked PE foam sheets with DUO pipes and an additional white foam

- Outer jacket: Black, corrugated outer jacket

made of polyethylene (PE-LLD)

Colour: Black





		Lead time							
Article No.	Description	(weeks)	d	s	D	U-value	Volume	Max. length	Weight
			mm	mm	mm	W/m²K	l/m	m	kg/m
UNO									
132053*	25/120	12-14	25	2.3	113	0.16	0.327	330	1.11
132063*	32/120	12-14	32	2.9	114	0.19	0.539	330	1.20
132073*	40/120	12-14	40	3.7	116	0.22	0.835	330	1.31
132083*	50/150	12-14	50	4.6	144	0.23	1.307	260	1.90
132093*	63/150	12-14	63	5.8	145	0.28	2.075	260	2.2
132103*	75/175	12-14	75	6.8	170	0.28	2.961	160	3.16
132113*	90/175	12-14	90	8.2	175	0.34	4.254	160	3.75
132123*	110/190	12-14	110	10	187	0.41	6.362	100	5.04
132133*	125/210	12-14	125	11.4	209	0.42	8.203	100	6.38
319603*	140/220	12-14	140	12.7	217	0.5	10.32	12	6.90
319604*	160/250	12-14	160	14.6	237	0.55	13.44	12	9.3
DUO									
132003	25 + 25/150	1-2	25	2.3	144	0.25	0.327	260	1.62
132013	32 + 32/150	1-2	32	2.9	146	0.26	0.539	260	1.84
132023*	40 + 40/150	1-2	40	3.7	148	0.32	0.835	260	2.10
132033*	50 + 50/175	12-14	50	4.6	177	0.34	1.307	160	3.13
132043*	63 + 63/210	12-14	63	5.8	208	0.38	2.075	110	4.39

#### **RAUVITHERM Shroud Kits**

## **T-Shroud Set**

- To fit the respective RAUVITHERM pipe Properties: outer jacket diameter to the T-shroud, please

use the stepped end sections.

- For the insulation, use RAUVITHERM foam

sets

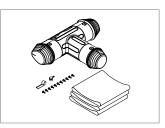
Comprising: - PE- shroud

- Heat-shrink sleeves - Ventilation plugs

- Screws - Sealing tape

- Assembly instructions





Article No.	Description	Lead time (weeks)	Outer Jacket d <sub>min</sub>	Outer Jacket d <sub>max</sub>	L	н	Weight
			mm	mm	mm	mm	kg/pc
330024	T-Shroud set small	1-2	90	162	650	530	2.738
330025*	T-Shroud set large	12-14	90	225	790	644	5.6

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

#### **I-Shroud Set**

Properties: - To fit the respective RAUVITHERM pipe

outer jacket diameter to the I-shroud, please

use the stepped end sections

- For the insulation, use RAUVITHERM foam

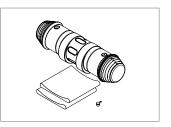
sets

Comprising: - PE- shroud

- Heat-shrink sleeves

Ventilation plugsAssembly instructions





Article No.	Description	Lead time (weeks)	Outer Jacket d <sub>min</sub>	1		Weight	
			mm	mm	mm	kg/pc	
354527	I-Shroud set small	1-2	120	150	650	1.65	
352507	I-Shroud set large	12-14	120	225	670	4.11	

#### L-Shroud Set

- To fit the respective RAUVITHERM pipe outer jacket diameter to the L-shroud, please Properties:

use the stepped end sections

- For the insulation, use RAUVITHERM foam

sets

- PE- shroud Comprising:

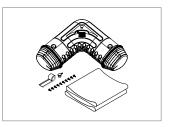
- Heat-shrink sleeves

- Ventilation plugs

- Screws

- Assembly instructions



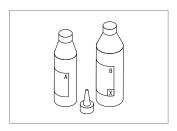


		Lead time					
Article No.	Description	(weeks)	Outer Jacket d <sub>min</sub>	$d_{max}$	L	Weight	
			mm	mm	mm	kg/pc	
330026	L-Shroud set small	1-2	90	162	502	2.5	
330027	L-Shroud set large	12-14	90	225	590	6	

#### **REHAU Shroud Foam**

NOTE: This product is not supplied by REHAU





## REHAU EVERLOC<sup>TM</sup> Jointing Technology. SDR 11

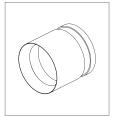
## Compression Sleeve. SDR 11

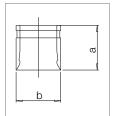
Application: For sliding on REHAU EVERLOC<sup>TM</sup> compression

sleeve fitting SDR 11 in conjunction with RAUTHERM, RAUVITHERM and Pipe SDR 11

Material: Brass (LX) or Gunmetal (RG)







		Lead time				Weight	
Article No.	Description	(weeks)	Type	а	b	g/pc	Pack Qty
				mm	mm		рс
139562*	20 x 1.9/2.0	1-2	LX	25	20	21.8	100
139572	25 x 2.3	1-2	LX	27	30	40	50
139492	32 x 2.9	1-2	LX	35	40	80	50
138683	40 x 3.7	1-2	LX	37	49	131	25
138693*	50 x 4.6	1-2	LX	44	61	260	25
138703*	63 x 5.8	1-2	LX	53	74	390	1
267671*	75 x 6.8	1-2	RG	53	90	500	1
267681*	90 x 8.2	12-14	RG	53	108	520	1
267691*	110 x 10.0	12-14	RG	53	130	1090	1
235229*	125 x 11.4	12-14	RG	53	145	1597	1
206256*	140 x 12.7	12-14	RG	53	163	1800	1
234324*	160 x 14.6	12-14	RG	53	185	2450	1

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

## **Straight Coupler SDR 11**

Material:

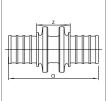
Application: REHAU EVERLOC<sup>TM</sup> compression fitting with

moulded support ridges for use with RAU-THERM, RAUVITHERM and Pipe SDR 11 and

compression sleeves SDR 11 Brass (LX) or Gunmetal (RG)







		Lead time				Weight	
Article No.	Description	(weeks)	Type	а	z	g/pc	Pack Qty
				mm	mm		рс
Equal							
169008	20*	1-2	LX	52	22	62	100
169010	25	1-2	LX	67	24	93	50
169013	32	1-2	LX	78	24	177	50
169015	40	1-2	LX	90	28	380	25
169144	50*	1-2	LX	104	28	570	25
169142	63*	1-2	LX	122	35	940	25
267611	75*	1-2	RG	132	32	1480	1
267621	90*	12-14	RG	132	32	2400	1
267631	110*	12-14	RG	132	32	3120	1
235219	125*	12-14	RG	133	33	4500	1
206257	140*	12-14	RG	138	38	5000	1
234334	160*	12-14	RG	143	43	5500	1

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

## Reducing Coupler SDR 11

Application: REHAU compression fitting with moulded

support ridges for use with RAUTHERM,

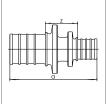
RAUVITHERM and Pipe SDR 11 and compression

sleeve SDR 11

Material: Brass (LX) or Gunmetal (RG)







Article No.	Description	Lead time (weeks)	Туре	а	z	Weight	Pack Qty
				mm	mm	g/pc	рс
Reducing							
169012*	25 - 20	1-2	LX	59	22	70	10
169014	32 - 25	1-2	LX	72	23	140	3
169016*	40 - 20	1-2	LX	75	28	260	5
169017	40 - 32	1-2	LX	87	28	280	5
169170*	50 - 32	1-2	LX	93	18	410	1
169147*	50 - 40	12-14	LX	99	28	480	1
169148*	63 - 50	12-14	LX	117	32	760	1
267641*	75 - 63	12-14	RG	132	32	1400	1
267651*	90 - 75	12-14	RG	137	36	1700	1
267661*	110 - 90	12-14	RG	137	36	3100	1

 $<sup>\</sup>ensuremath{^{\star}}$  Non standard item. Please check with your sales office for availability.

## T-Piece SDR 11

Material:

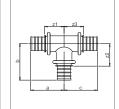
Application: REHAU EVERLOC $^{TM}$  compression fitting with

moulded support ridges for use with RAU-THERM, RAUVITHERM and Pipe SDR 11 and

compression sleeve SDR 11 Brass (LX) or Gunmetal (RG)







Article No.	Description	Lead time (weeks)	Туре	а	b	С	<sup>z</sup> 1	<sup>z</sup> 2	z <sub>3</sub>	Weight	Pack Qty
				mm	mm	mm	mm	mm	mm	g/pc	рс
Equal tee											
169045*	20 - 20 - 20	1-2	LX	40	43	40	25	28	25	135	10
169056	25 - 25 - 25	1-2	LX	50	54	50	29	32	29	200	10
169063	32 - 32 - 32	1-2	LX	57	62	57	30	35	30	400	3
169072	40 - 40 - 40	1-2	LX	67	77	67	43	53	43	770	1
169156*	50 - 50 - 50	12-14	LX	88	87	88	49	48	49	870	1
169167*	63 - 63 - 63	12-14	LX	105	108	105	59	62	59	2350	1
221946*	75 - 75 - 75	12-14	RG	117	117	117	67	67	67	2700	1
221948*	90 - 90 - 90	12-14	RG	126	126	126	76	76	76	4000	1
221953*	110 - 110 - 110	12-14	RG	137	137	137	87	87	87	6000	1
Tee one end	and branch reduced										
169049*	25 - 20 - 20	1-2	LX	47	46	41	26	31	26	165	10
169060*	32 - 25 - 25	1-2	LX	55	56	48	28	33	25	259	3
169070*	40 - 32 - 32	1-2	LX	69	67	63	37	40	36	580	1
169151*	50 - 25 - 40	1-2	LX	82	69	74	43	47	42	820	1
169153*	50 - 32 - 40	1-2	LX	72	75	73	33	48	41	720	1
169160*	63 - 32 - 50	1-2	LX	98	82	88	52	53	49	1200	1
169162*	63 - 40 - 40	12-14	LX	98	87	81	52	55	49	1500	3
169163*	63 - 40 - 50	12-14	LX	97	87	89	51	55	50	1600	1
169165*	63 - 50 - 50	12-14	LX	97	94	89	51	55	50	1600	1
221935*	75 - 32 - 63	12-14	RG	92	89	88	42	59	38	2100	1
221938*	75 - 50 - 63	12-14	RG	102	102	98	52	61	48	2400	1
221943*	75 - 63 - 63	12-14	RG	109	113	105	59	62	55	2500	1
Tee branch re											
169053*	25 - 20 - 25	1-2	LX	48	47	48	26	32	26	184	10
169059*	32 - 20 - 32	1-2	LX	54	51	54	27	36	27	290	3
169061	32 - 25 - 32	1-2	LX	57	58	57	30	36	30	310	3
169068*	40 - 20 - 40	1-2	LX	62	57	62	30	42	30	580	1
169069	40 - 25 - 40	1-2	LX	67	66	67	43	44	43	670	1
169071	40 - 32 - 40	1-2	LX	64	69	64	32	42	32	700	1
169077*	50 - 20 - 50	12-14	LX	69	62	69	30	47	30	810	1
169152*	50 - 25 - 50	12-14	LX	73	69	73	34	47	34	830	1
169154*	50 - 32 - 50	12-14	LX	72	75	80	33	48	41	820	1
169155*	50 - 40 - 50	12-14	LX	74	80	74	35	48	35	900	1
244432*	63 - 20 - 63	12-14	LX	80	67	80	30	44	30	1323	1
169159*	63 - 25 - 63	12-14	LX	83	79	83	37	57	37	1200	1
169161*	63 - 32 - 63	12-14	LX	81	84	81	35	57	35	1200	1
169164*	63 - 40 - 63	12-14	LX	85	86	85	39	54	39	1700	1
169166*	63 - 50 - 63	12-14	LX	98	97	98	52	58	52	1882	1
221934*	75 - 25 - 75	12-14	RG	87	83	87	37	57	37	2100	1
267791*	75 - 32 - 75	12-14	RG	92	89	92	42	58	42	2100	1
221936*	75 - 40 - 75	12-14	RG	96	104	96	46	70	46	2250	1
231326*	75 - 50 - 75	12-14	RG	102	101	102	52	60	52	2500	1
221944*	75 - 63 - 75	12-14	RG	109	113	109	59	63	59	2500	1
231336*	90 - 32 - 90	12-14	RG	92	98	92	42	67	42	300	1
221945*	90 - 40 - 90	12-14	RG	96	104	96	46	70	46	3200	1
231346*	90 - 63 - 90	12-14	RG	109	121	109	59	71	59	3800	1

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

Article No.	Description	Lead time (weeks)	Туре	а	b	с	<sup>z</sup> 1	<sup>z</sup> 2	z <sub>3</sub>	Weight	Pack Qty
				mm	mm	mm	mm	mm	mm	g/pc	рс
231356	110 - 32 -110	12-14	RG	92	109	92	42	78	42	4300	1
221950	110 - 50 - 110	12-14	RG	102	122	102	52	81	52	5300	1
231366	110 - 63 - 110	12-14	RG	109	132	109	59	82	59	5400	1
Tee both end	s reduced										
169047*	20 - 25 - 20	1-2	LX	43	50	43	28	28	28	160	10
267781*	63 - 75 - 63	12-14	LX	113	109	113	63	59	63	1690	1
Tee one end r	educed										
169055*	25 - 25 - 20	1-2	LX	50	54	43	29	32	28	196	10
169062*	32 - 32 - 25	1-2	LX	59	64	53	32	37	32	350	3

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

#### **Elbow SDR 11**

Material:

Application: REHAU EVERLOC $^{TM}$  fitting with moulded

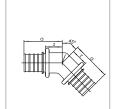
support ridges for use with RAUTHERM,

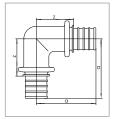
RAUVITHERM and pipe SDR 11 and compression

sleeve SDR 11 Brass or Gunmetal

Colour: Brass (LX) or Gunmetal (RG)







Article No.	Description	time (weeks)	Туре	a	z	Weight	Pack Qty	
0				mm	mm	g/pc	рс	
45								
169125*	25 - 25, 45 Degrees	1-2	LX	46	20	13.7	10	
169127*	32 - 32, 45 Degrees	1-2	LX	54	27	25.9	3	
169129*	40 - 40, 45 Degrees	1-2	LX	58	27	45.7	1	
169131*	50 - 50, 45 Degrees	12-14	LX	67	28	70	1	
169150*	63 - 63, 45 Degrees	12-14	LX	81	35	30.5	1	
237836*	75 x 6.8, 45 Degrees	12-14	RG	85	35	172	1	
90								
169124*	20 - 20, 90 Degrees	1-2	LX	44	29	10.7	10	
169126	25 - 25, 90 Degrees	1-2	LX	54	32	16	10	
169128	32 - 32, 90 Degrees	1-2	LX	64	37	29	3	
169130	40 - 40, 90 Degrees	1-2	LX	74	42	52	1	
169145*	50 - 50, 90 Degrees	1-2	LX	87	48	820	1	
169146*	63 - 63, 90 Degrees	12-14	LX	106	60	150	1	
267751*	75 x 6.8, 90 Degrees	12-14	RG	117	67	244	1	
267761*	90 x 8.2, 90 Degrees	12-14	RG	127	76	315	1	
267771*	110 x 10.0, 90 Degrees	12-14	RG	137	87	501	1	

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

## Male Adapter with Male Thread, SDR 11

Application: REHAU EVERLOC<sup>TM</sup> fitting with moulded support ridges for use with RAUTHERM,

RAUVITHERM and pipe SDR 11 and compression

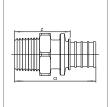
sleeve SDR 11

Material: Brass or Gunmetal

Colour: Brass (LX) or Gunmetal (RG)







Article No.	Description	Lead time (weeks)	Туре	а	z	SW	Weight	Pack Qty	
		(Constant)	-74-	mm	mm		g/pc	pc	
169097*	20 - R ½ - L15	1-2	LX	54	39	26	8.2	10	
169098*	20 - R ¾ - L18	1-2	LX	53	38	28	9.5	10	
169104	25 - R 1 - L22	1-2	LX	63	42	31	16.9	10	
169105	25 - R ¾	1-2	LX	59	38	34	11	10	
169109	32 - R 1 - L22	1-2	LX	69	42	40	16	3	
169111	40 - R 1 ¼	1-2	LX	82	50	36	35	5	
169149*	50 - R 1 ¼	1-2	LX	89	50	41	480	1	
169143*	50 - R 1 ½	12-14	LX	89	50	41	510	1	
169141*	63 - R 2	12-14	LX	100	54	55	800	1	
267581*	75 x 6.8 - R 2 ½	12-14	RG	110	60	73	166	1	
267591*	90 x 8.2 - R 3"	12-14	RG	111	60	90	211	1	
267601*	110 x 10.0 - R 4"	12-14	RG	119	60	110	390	1	
235239*	125 x 11.4 - R 5"	12-14	RG	116	66	120	520	1	

 $<sup>\</sup>ensuremath{^{\star}}$  Non standard item. Please check with your sales office for availability.

## T-Piece Branch with Female Thread. SDR 11

Application: REHAU EVERLOC  $^{TM}$  compression fitting with

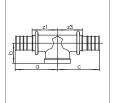
moulded support ridges for use with RAU-THERM, RAUVITHERM and pipe SDR 11 and

compression sleeve SDR 11

Material: Brass Colour: Brass







Article No.	Description	time (weeks)	а	b	с	<sup>z</sup> 1	z <sub>3</sub>	Weight	Pack Qty	
			mm	mm	mm	mm	mm	g/pc	рс	
Equal										
169048*	20 - Rp 1/2 - 20	1-2	45	25	45	30	30	151	10	
169057*	25 - Rp 1/2 - 25	1-2	56	26	56	35	35	215	10	
169058*	25 - Rp 3/4 - 25	1-2	56	28	56	35	35	225	10	
169064*	32 - Rp 1/2 - 32	1-2	56	28	56	29	29	275	3	
169065*	32 - Rp 1 - 32	1-2	67	30	67	40	40	420	3	
169067*	32 - Rp 3/4 - 32	1-2	67	36	67	40	40	345	1	
169073*	40 - Rp 1/2 - 40	1-2	63	40	63	31	31	560	1	
169075*	40 - Rp 1 - 40	1-2	72	37	75	40	42	700	1	
169076*	40 - Rp 3/4 - 40	1-2	67	41	67	35	35	613	1	
169158*	50 - Rp 1 - 5	12-14	85	43	87	46	48	930	1	
169078*	50 - Rp 1 1/4 - 50	12-14	85	45	87	46	48	970	1	
169079*	50 - Rp 1/2 - 50	12-14	70	45	70	22	22	807	1	
169080*	50 - Rp 3/4 - 50	12-14	74	46	74	35	35	1020	1	
169082*	63 - Rp 1/2 - 63	12-14	82	55	82	36	36	1100	1	
169083*	63 - Rp 3/4 - 63	12-14	45	25	45	30	30	1270	1	
Reduced End										
169074*	40 - Rp 1 - 32	1-2	72	37	79	40	43	610	1	
169157*	50 - Rp 1 1/4 - 40	12-14	85	43	80	46	46	890	1	

 $<sup>\</sup>ensuremath{^{\star}}$  Non standard item. Please check with your sales office for availability.

### **End caps**

Application: End caps with female thread to cap off pipe ends

or valves with male threads.

Properties: - End cap without washer

- To achieve a tight seal the end cap must be fitted competently onto a slightly roughended and with hemp prepared male thread of the

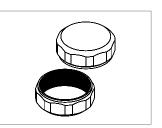
sealing / tapered type (R)

 the end caps make it possible to cap off pipe ends with REHAU male thread adaptors in heating networks allowing future extension of

the network

Material: Brass





Article No.	Description	Lead time	Weight	Pack Qty
380091*	3/4"	1-2	4.2	1
380095*	1 ½"	1-2	17.9	1
380094*	1 ¼"	1-2	12.4	1
380093*	1"	1-2	7.7	1
380096*	2"	12-14	25.9	1
380097*	2 ½"	12-14	43.7	1

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

## Female Adapter with Female Thread SDR 11

Application: REHAU EVERLOC<sup>TM</sup> fitting with moulded

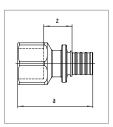
support ridges for use with RAUTHERM, RAUVITHERM and pipe SDR 11 and

compression sleeve SDR 11

Material: Brass Colour: Brass







Article No.	Description	Lead time (weeks)	a	z	sw	Weight	Pack Qty
169099*	20 - Rp ½	1-2	53	20	27	10.1	10
169100*	20 - Rp ¾	1-2	50	19	34	14.6	10
169107*	25 - Rp ¾	1-2	56	18	34	16	10
169106*	25 - Rp 1	1-2	61	20	41	200	10
169110*	32 - Rp 1	1-2	66	39	41	18	3

 $<sup>\</sup>ensuremath{^{\star}}$  Non standard item. Please check with your sales office for availability.

## Elbow Adapter with Male Thread SDR11

Application: REHAU EVERLOC<sup>TM</sup> compression fitting with

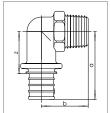
moulded support ridges for use with RAUTHERM, RAUVITHERM and pipe SDR 11

and compression sleeve SDR 11

Material: Brass Colour: Brass





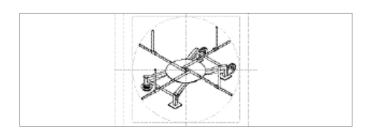


Article No.	Description	Lead time (weeks)	a	b	z	Weight	Pack Qty
	'		mm	mm	mm	g/pc	рс
169138*	20 - R ½	1-2	44	30	27	9.5	10
169139*	20 - R ¾	1-2	48	34	29	11.5	10
169140*	25 - R ¾	1-2	54	37	29	18	10
169026*	32 x 2.9 - R 1	1-2	65	36	30	19.8	3

<sup>\*</sup> Non standard item. Please check with your sales office for availability.

### **Installation Aids**

## **REHAU Unwinder**



Article No.	Description	Lead time (weeks)	Weight	Packing Qty
		'	kg/pc	рс
304529*	Pipe unwinder	12-14	80	1

<sup>\*</sup> Non standard item. Please check with your sales office for availability.



# HYDRONIC HEATING DESIGN & TRAINING CENTRE

## **One Stop Service for Hydronic Projects**

**REHAU** is proud to introduce the first ever **hydronic underfloor heating** and **cooling design web portal** in Australia & New Zealand. REHAU has been designing advanced radiant heating and cooling systems globally for over 30 years and has now made the design tools available to make materials estimation, performance calculations and full design service fast and easy. It places the design timeline into the hands of the installer ensuring optimum turnaround and enabling greater skill and knowledge within the market.

The **QUICK QUOTE** estimates the REHAU components recommended for the project, **PERFORMANCE CALCULATIONS** identifies the required water flow rates and temperatures to enable accurate sizing of pumps and an energy source and **DESIGN PLUS** is a full design service that provides pipe layout design and individual circuit specifications for optimised installation and operation. The design portal also includes online installation and design training modules, installation videos, RAIN training registration, event information, product information and regularly updated references and case studies. Everything for the new and experienced installer, builder, architect and engineer is just a few clicks away.

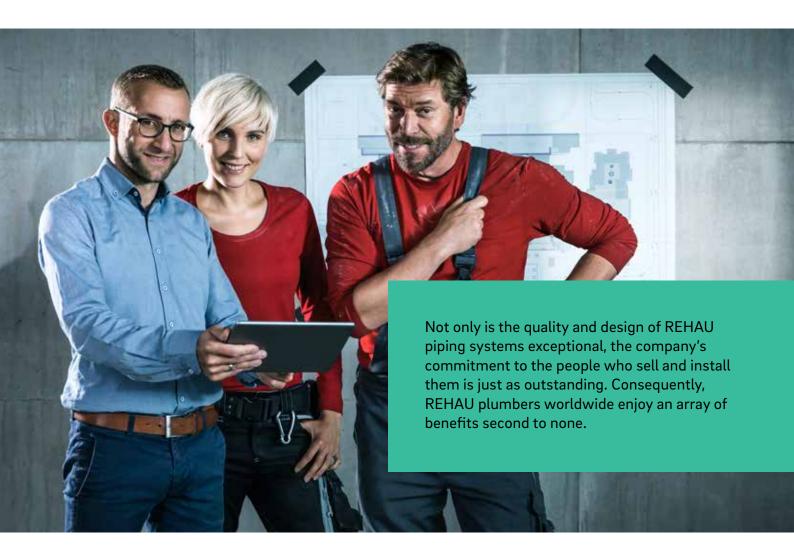


Check out the website at www.myrehau.com/design and register your details to gain access. A local REHAU representative is available to assist with the registration and use of the website.

Contact your local REHAU office on 09-2722-264.

# **REHAU** services

**REHAU Authorised Installer Network (RAIN)** 



## Stay on top of your trade

REHAU is much more than your supplier of piping and fittings. We aim to provide a standard of after-sales service to match the world-class quality of our products.

To assist you and your team to utlise the full capabilities of our products and services we have developed the REHAU Authorised Installer Network (RAIN). Our vision is to grow and support our customers as they mature across the marketplace. The RAIN network is an exclusive group of installation experts who are trained and authorised by REHAU to install the RAUTITAN product range.





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## **REHAU Ltd**

REHAU Ltd, Level 112 Allens Road, East Tamaki 1701, Auckland, New Zealand

Tel: +64 9 272 2264 Fax: +64 9 272 2265

Email: sales.nz@rehau.com

www.rehau.co.nz

## **REHAU Pty Ltd**

National Customer Service Centre Tel: 1300 768 033

Fax: 1300 760 665 Email: sales.au@rehau.com

www.rehau.com.au



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REHAU Branches in Asia Pacific:

SINGAPORE - Regional Office for Asia Pacific

1 King George's Avenue, REHAU Building, Singapore 208557 Tel: +65 6392-6006 Fax: +65 6392-6116

AUSTRALIA National Customer Service Centre Tel: 1300 768 033 GREATER CHINA Beijing Tel: +86 10 6428-2956 Chengdu Tel: +86 28 8628-3218 Guangzhou Tel: +86 20 8776-0343 / 3646 Hong Kong Tel: +852 2898-7080 Qingdao Tel: +86 532 8667-8190 Shenyang Tel: +86 24 2287-5807 Shanghai Tel: +86 21 6355-1155 Taicang Tel: +86 512 5337-2888 Taipei Tel: +866 2 8780-3899 Xi'an Tel: +86 29 6859-7000 INDIA Bangalore Tel: +91 80 2222-0014 Mumbai Tel: +91 22 6148-5858 New Delhi Tel: +91 11 4848-5600 Pune Tel: +91 21 3567-4301 / 4340 INDONESIA Jakarta Tel: +62 21 4587 1030 JAPAN Tokyo Tel: +81-3-3292-8337 NEW ZEALAND Auckland Tel: +64 9 2722-264 PHILIPPINES Manila Tel: +63 2 654-5120 THAILAND Bangkok Tel: +66 2763-5100 VIETNAM Ho Chi Minh City Tel: +84 8 3823-3030

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