Flexible plumbing systems

PLUMBING SOLUTIONS | DESIGN & SPECIFICATIONS

PIPELIFE



wienerberger

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Application areas

PIPELIFE RadoPress has been tested and approved according to the internationally applicable EN ISO 21003 standard, as well as local norms and guidelines.

RadoPress fulfills the requirements of application classes 2 (10 bar) and 5 (10 bar) according to ISO 21003-1.

Drinking water installation



Series installation

For a series installation, the tapping points are connected to the RadoPress U-Tap elbow and the installation pipes are then directly routed to the next tapping point, resulting in a complete water exchange of the floor installation when the last tap is used. Therefore, it is recommended that the most frequently used application (e.g., the toilet flush or washstand) should be situated at the end of the row.



Loop installation

In a loop installation, the tapping points are connected similarly to those in a series installation, but differ in that the previous application's line leads back to the beginning. This ensures that the water exchange is hygienic, regardless of the tapping point the water is taken from. Assembly is easier due to the tapping point being supplied from two sides. For the connecting lines, plumbers can use a single dimension throughout.



T-installation

In a T-installation, all applications are separately connected to supply lines via T-joints. The installation generally starts with a large pipe dimension that gradually reduces in size up to the final tapping point, keeping line distances to a minimum. However, T-installations run the risk of accumulating stagnant water in the connecting pipes of applications that are used less frequently — thus, increasing the chance of microbial germination. Therefore, T-installations should be exclusively installed at regularly used tapping points.

Circulation systems

In hot water distribution systems where hot water is constantly and directly provided from the tapping points, the hot water circulation must be continually maintained. DIN 1988-300 must be followed when determining pipe diameters in the circulation systems. To avoid health hazards, the boundary conditions specified in the DVGW Worksheet 551 must also be followed.

In the hot water distribution system, the hot water must be able to leave the water heater at a temperature of at least 60 °C, but flow back into the heater without losing more than 5 °C. Simultaneously, there must be a sufficient volume of hot water flowing in all the circulation lines. DVGW Worksheets suggest an optimal water temperature of at least 57 °C at the end of each return line.

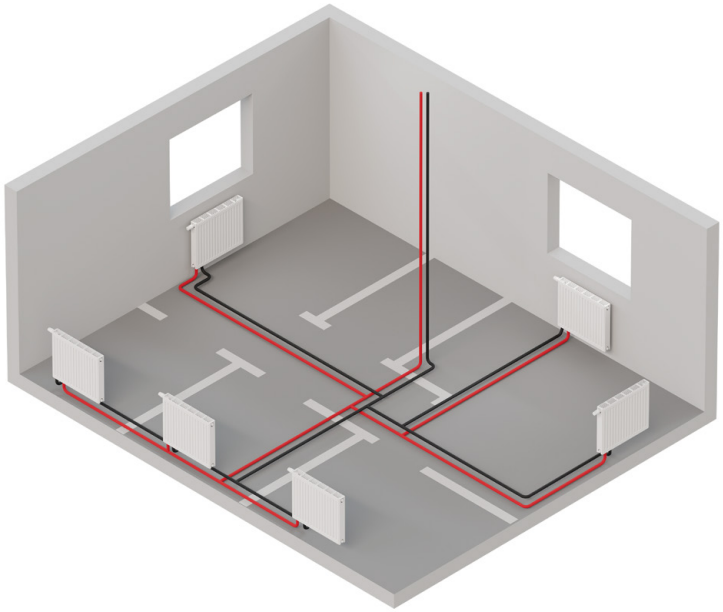
The required volume flows have been determined in accordance with DIN 1988-300 using the differentiated design method. While the maximum flow rate is 1 m/s, the DIN 1988-300 recommends an average flow rate between 0.2-0.5 m/s. The simplified design method outlined in DIN EN 806-3 can be utilized for calculations regarding cold and hot water pipes in buildings with up to six apartments that do not have circulation lines.

Heating installation

Two-pipe distribution system

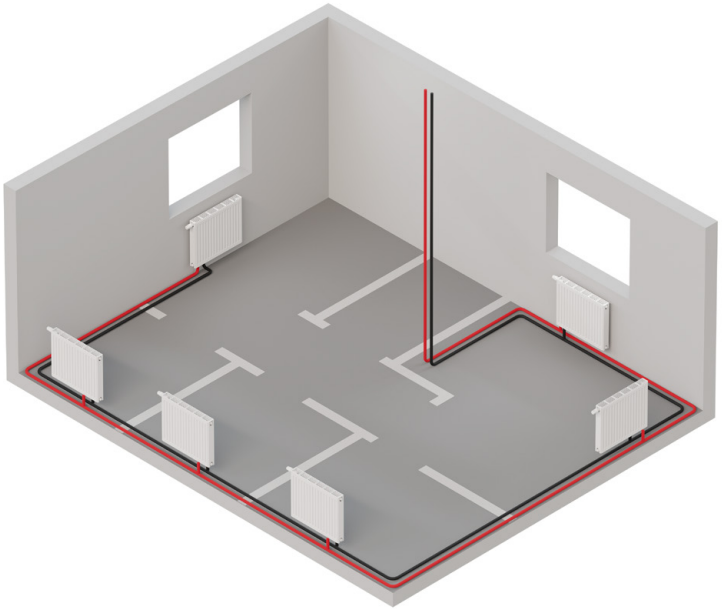
The two-pipe system, installed as a classic distribution system with T-joints, allows for a wide range of layouts and configurations.

The line layout for connecting the radiators starts and ends at the riser.



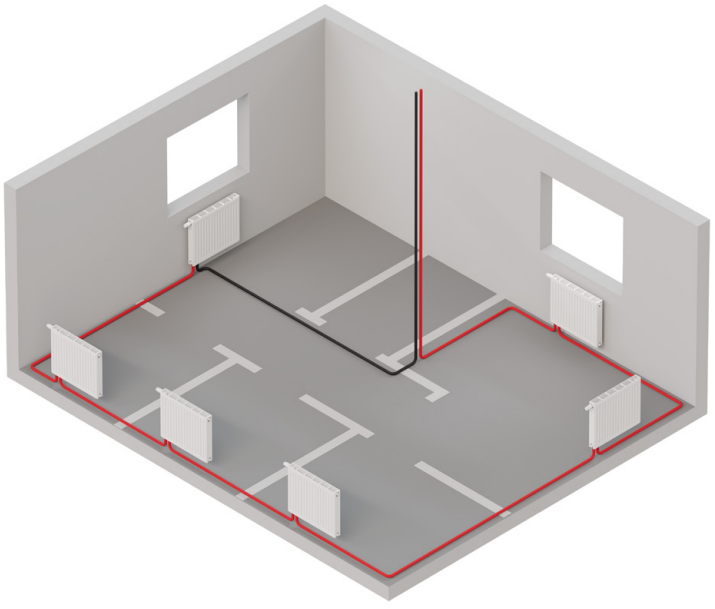
Two-pipe loop system

When the two-pipe system is configured as a loop line, the pipe routing for conneting the radiators to the riser begins and ends at the riser.



Single-pipe system

In a single-pipe system, the pipe routing that connects the radiators starts and ends at the riser.



Treated water

If the quality of drinking water changes through treatment, the water is referred to as treated water. Besides drinking water systems, treated water is used in heating systems and for industrial and business applications.

! **Note:** Treated water can permanently damage pipelines.

! Desalination/demineralization = The removal of naturally occurring salts in water.

Softening = The process of replacing calcium and magnesium ions with sodium ions.

Desalination

RadoPress brass fittings must not be used with fully or partially desalinated water or osmosis water.

Softening

The water softening process causes drinking water to have a different chemical composition and increases its corrosivity.

Depending on the chloride concentration, soft water can result in the selective corrosion of brass fittings. This can also occur below the recommended minimum water hardness of 1.5 mmol/l (8.4 °dH).

However, RadoPress fittings, especially those from our lead-free portfolio, minimize this potential with exceptionally high corrosion resistance.

RadoPress fittings can be used in all drinking water systems that comply with the European Drinking Water Directive. Especially those from our lead-free portfolio, including highly dezincification-resistant options in both silicone bronze and PPSU.

If you plan to soften your water below 0.9 mmol/L (5 °dH), consult with the device manufacturer during the planning phase to ensure corrosion issues with the installation materials are avoided.

Lead-free

Ensuring safer drinking water requires minimizing lead exposure, as recognized by international health authorities and reinforced by evolving regulations. The updated EU Drinking Water Directive has further reduced the permissible lead concentration in drinking water to 5 µg/l, driving the transition toward lead-free materials in plumbing systems.

In response, we have expanded our lead-free portfolio to include fittings made from silicone bronze and PPSU plastic. Both materials meet the EU definition of lead-free (less than 0.1% lead) and provide long-term durability, corrosion resistance, and compliance with incoming product restrictions.

	RadoPress lead free		RadoPress brass
	Silicone bronze	PPSU	
Stress-crack resistance	Excellent	Very good	Very good
Dezincification resistance	Very good	Excellent	Poor
Lead content	<0.1%	0%	1.6 - 2.2%
Allowed for use in products newly introduced to the EU market from 01.01.2027	Yes	Yes	No

Disinfecting the pipe system

Follow parts 1-5 of the "EN806 Technical Rules for Domestic Drinking Water Installation" to minimize the risk of Legionella bacteria infecting the drinking water system. If an infestation does occur, national guidelines for disinfecting the system must be adhered to. Examples of national guidelines include the DVGW W290/W291/W551 series and ÖNORM B 5019.

Procedural measures for reducing microorganisms include:

- Thermal disinfection
- Chemical disinfection
- Terminal filters (filters at the sampling fitting)
- UV disinfection

! **Note:** Always favor thermal disinfection over chemical disinfection.

Heating water

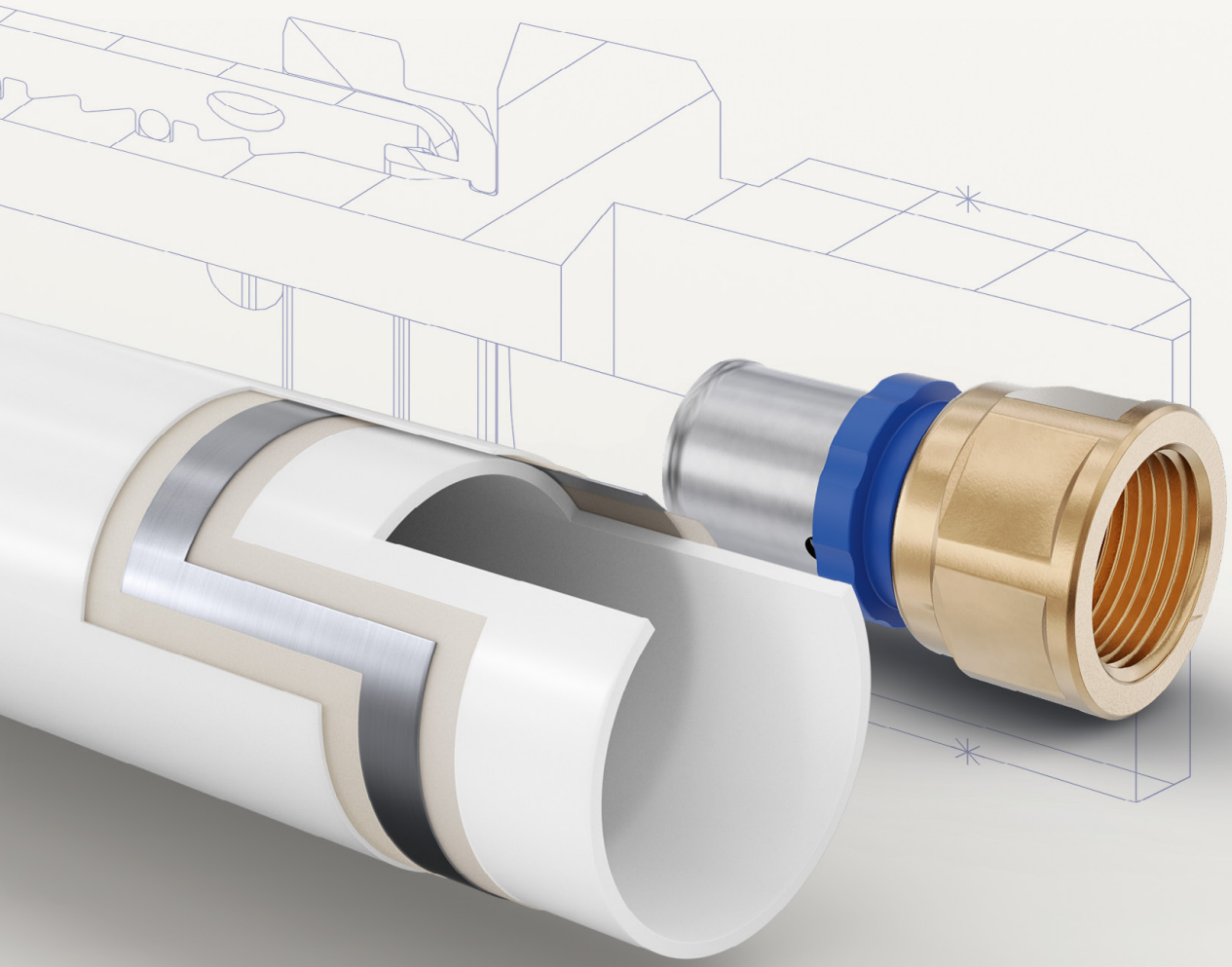
Heating systems must be filled with water in accordance with applicable norms (e.g., ÖNORM H5195-1, VDI2035). The system must be adequately rinsed prior to filling.

The use of inhibitors in heating water cannot be approved on mass; it must be considered on a case-by-case basis.

See the installation brochures for more information.

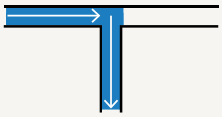
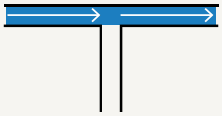
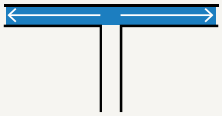
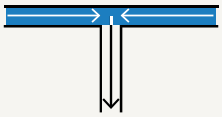
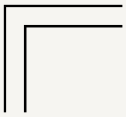
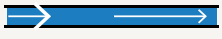
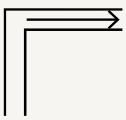
! PIPELIFE RadoPress may only be used in closed heating systems.

Planning



Pressure losses

RadoPress fittings

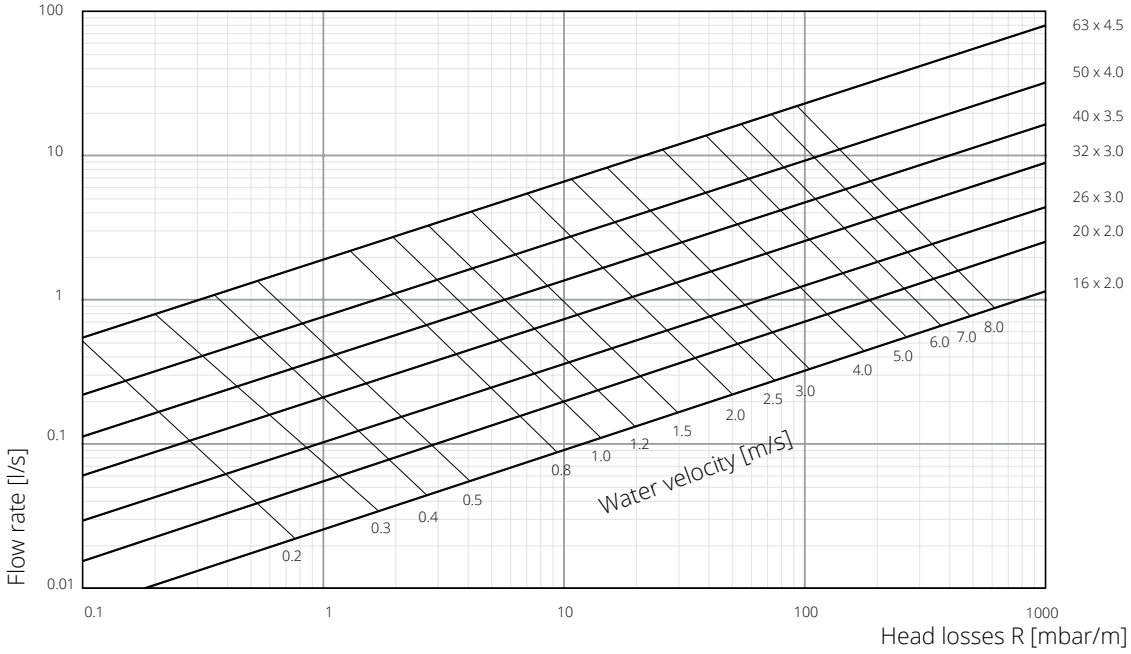
Component		OD 16	OD 20	OD 26	OD 32	OD 40	OD 50
	T-connector flow separation	9.8	7.6	5.5	3.4	2.8	2.2
	T-connector	5.4	4.2	3.1	2.6	2.1	1.6
	T-connector	12.2	8.5	6.8	5.1	3.4	2.8
	T-connector	12.2	8.5	6.8	5.1	3.4	2.8
	90° elbow	8.7	6.3	4.5	2.9	1.3	1.3
	Pipe bend	1.3	0.9	0.7	0.4	0.2	-
	Transition reducer	8.3	6.3	5.1	2.8	1.6	1.3
	Wall bushing	5.5	5.4	-	-	-	-

RadoPress pipes

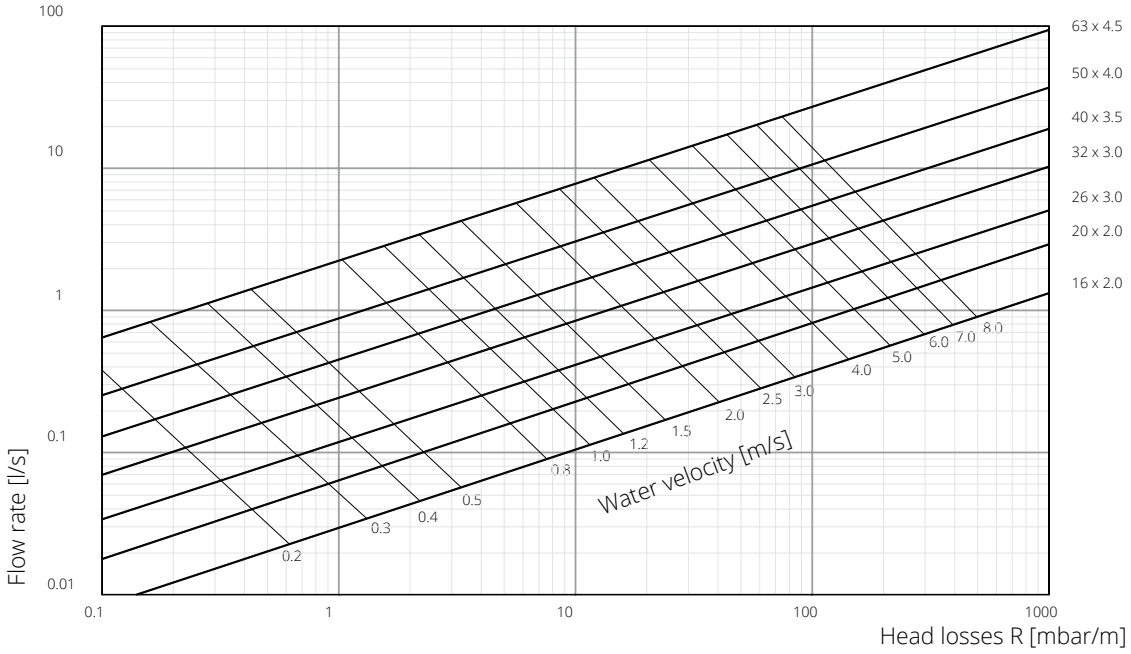
When designing devices, the head losses of used modules in relation to flow must be considered. Find the values of the head losses for the RadoPress multilayer pipes in the diagram below.
The basis of the head losses specification comes from the definition of the mass flow rate:

Where Q = heating body output in watts, $\Delta\vartheta$ = temperature difference in Kelvins. $m = \frac{Q}{1.163 X \Delta\vartheta}$ [kg / h]

Graph of head losses at water temperature of 10 °C



Graph of head losses at water temperature of 60 °C



Summary of head losses (R) in RadoPress pipes for heating installations

Power requirement (W)				Mass flow rate	Head losses in pipe by friction R (mbar/m)											
Temperature gradient				m	16 x 2 mm			20 x 2 mm			26 x 3 mm			32 x 3 mm		
20 K	15 K	10 K	5 K	kg/h	m/s	mbar/m	Pa/m	m/s	mbar/m	Pa/m	m/s	mbar/m	Pa/m	m/s	mbar/m	Pa/m
200	150	100	50	9	0.00	0.01	1									
300	225	150	75	13	0.00	0.02	2									
400	300	200	100	17	0.00	0.04	4									
600	450	300	150	26	0.10	0.08	8									
800	600	400	200	34	0.10	0.14	14									
1000	750	500	250	43	0.10	0.21	21									
1200	900	600	300	52	0.10	0.28	28									
1400	1050	700	350	60	0.20	0.37	37									
1600	1200	800	400	69	0.20	0.47	47									
1800	1350	900	450	77	0.20	0.57	57									
2000	1500	1000	500	86	0.20	0.69	69	0.10	0.24	24						
2300	1725	1150	575	99	0.20	0.88	88	0.20	0.31	31						
2500	1875	1250	625	108	0.30	1.02	102	0.20	0.35	35						
2800	2100	1400	700	120	0.30	1.24	124	0.20	0.43	43						
3000	2250	1500	750	129	0.30	1.40	140	0.20	0.49	49						
3500	2625	1750	875	151	0.40	1.84	184	0.20	0.64	64						
4000	3000	2000	1000	172	0.40	2.32	232	0.30	0.80	80	0.20	0.21	21			
4500	3375	2250	1125	194	0.50	2.85	285	0.30	0.99	99	0.20	0.25	25			
5000	3750	2500	1250	215	0.50	3.43	343	0.30	1.19	119	0.20	0.30	30			
5500	4125	2750	1375	237	0.60	4.05	405	0.40	1.40	140	0.20	0.36	36			
6000	4500	3000	1500	258	0.60	4.72	472	0.40	1.64	164	0.20	0.42	42			
6500	4875	3250	1625	280	0.70	5.43	543	0.40	1.88	188	0.30	0.48	48			
7000	5250	3500	1750	301	0.80	6.18	618	0.50	2.14	214	0.30	0.55	55	0.20	0.16	16
7500	5625	3750	1875	323	0.80	6.97	697	0.50	2.42	242	0.30	0.62	62	0.20	0.18	18
8000	6000	4000	2000	344				0.60	2.71	271	0.30	0.69	69	0.20	0.20	20
8500	6375	4250	2125	366				0.60	3.01	301	0.30	0.77	77	0.20	0.22	22
9000	6750	4500	2250	387				0.60	3.32	332	0.30	0.85	85	0.20	0.24	24
9500	7125	4750	2375	409				0.70	3.65	365	0.40	0.93	93	0.20	0.27	27
10000	7500	5000	2500	430				0.70	4.00	400	0.40	1.02	102	0.20	0.29	29
10500	7875	5250	2625	452				0.70	4.35	435	0.40	1.11	111	0.20	0.32	32
11000	8250	5500	2750	473				0.80	4.72	472	0.40	1.20	120	0.30	0.35	35
11500	8625	5750	2875	495				0.80	5.11	511	0.40	1.30	130	0.30	0.37	37
12500	9375	6250	3125	538							0.50	1.51	151	0.30	0.43	43
13000	9750	6500	3250	559							0.50	1.61	161	0.30	0.46	46
14000	10500	7000	3500	602							0.50	1.84	184	0.30	0.53	53
15000	11250	7500	3750	645							0.60	2.07	207	0.30	0.60	60
16000	12000	8000	4000	688							0.60	2.32	232	0.40	0.67	67
17000	12750	8500	4250	731							0.70	2.58	258	0.40	0.74	74
18000	13500	9000	4500	775							0.70	2.85	285	0.40	0.82	82
19000	14250	9500	4750	818							0.70	3.13	313	0.40	0.90	90
20000	15000	10000	5000	861							0.80	3.43	343	0.50	0.99	99
22000	16500	11000	5500	947										0.50	1.17	117
24000	18000	12000	6000	1033										0.60	1.36	136
26000	19500	13000	6500	1119										0.60	1.56	156
28000	21000	14000	7000	1205										0.60	1.78	178
30000	22500	15000	7500	1291										0.70	2.00	200
32000	24000	16000	8000	1377										0.70	2.24	224
34000	25500	17000	8500	1463										0.80	2.50	250
36000	27000	18000	9000	1549										0.80	2.76	276
38000	28500	19000	9500	1635										0.90	3.03	303
40000	30000	20000	10000	1721										0.90	3.32	332
42000	31500	21000	10500	1807										1.00	3.61	361
44000	33000	22000	11000	1893										1.00	3.92	392
46000	34500	23000	11500	1979												
48000	36000	24000	12000	2065												
50000	37500	25000	12500	2151												
52000	39000	26000	13000	2238												
54000	40500	27000	13500	2324												
56000	42000	28000	14000	2410												
58000	43500	29000	14500	2496												
60000	45000	30000	15000	2582												
62000	46500	31000	15500	2668												
64000	48000	32000	16000	2754												
66000	49500	33000	16500	2840												
68000	51000	34000	17000	2926												
70000	52500	35000	17500	3012												
72000	54000	36000	18000	3098												
76000	57000	38000	19000	3270												
80000	60000	40000	20000	3442												
84000	63000	42000	21000	3614												
88000	66000	44000	22000	3787												
92000	69000	46000	23000	3959												
96000	72000	48000	24000	4131												
100000	75000	50000	25000	4303												
104000	78000	52000	26000	4475												
108000	81000	54000	27000	4647												
112000	84000	56000	28000	4819												
116000	87000	58000	29000	4991												
120000	90000	60000	30000	5164												
126000	94500	63000	31500	5417												
132000	99000	66000	33000	5675												
138000	103500	69000	34500	5933												
144000	108000	72000	36000	6191												
150000	112500	75000	37500	6449												
156000	117000	78000	39000	6707												
162000	121500	81000	40500	6965												
168000	126000	84000	42000	7223												
174000	130500	87000	43500	7481												
180000	135000	90000	45000	7739												
186000	139500	93000	46500	7997												
192000	144000	96000	48000	8255												
198000	148500	99000	49500	8512												
204000	153000	102000	51000	8770												
210000	157500	105000	52500	9028												
216000	162000	108000	54000	9286												
222000	166500	111000	55500	9544												
228000	171000	114000	57000	9802												
234000	175500	117000	58500	10060												
240000	180000	120000	60000	10318												

Summary of head losses (R) in RadoPress pipes for heating installations

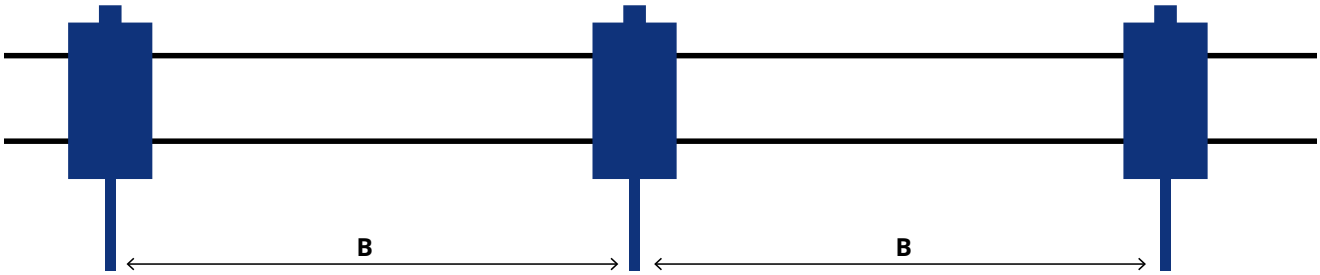
Power requirement (W)				Mass flow rate	Head losses in pipe by friction R (mbar/m)								
Temperature gradient				m	40 x 3.5 mm			50 x 4 mm			63 x 4.5 mm		
20 K	15 K	10 K	5 K	kg/h	m/s	mbar/m	Pa/m	m/s	mbar/m	Pa/m	m/s	mbar/m	Pa/m
200	150	100	50	9									
300	225	150	75	13									
400	300	200	100	17									
600	450	300	150	26									
800	600	400	200	34									
1000	750	500	250	43									
1200	900	600	300	52									
1400	1050	700	350	60									
1600	1200	800	400	69									
1800	1350	900	450	77									
2000	1500	1000	500	86									
2300	1725	1150	575	99									
2500	1875	1250	625	108									
2800	2100	1400	700	120									
3000	2250	1500	750	129									
3500	2625	1750	875	151									
4000	3000	2000	1000	172									
4500	3375	2250	1125	194									
5000	3750	2500	1250	215									
5500	4125	2750	1375	237									
6000	4500	3000	1500	258									
6500	4875	3250	1625	280									
7000	5250	3500	1750	301									
7500	5625	3750	1875	323									
8000	6000	4000	2000	344									
8500	6375	4250	2125	366									
9000	6750	4500	2250	387									
9500	7125	4750	2375	409									
10000	7500	5000	2500	430									
10500	7875	5250	2625	452									
11000	8250	5500	2750	473	0.20	0.11	11						
11500	8625	5750	2875	495	0.20	0.12	12						
12500	9375	6250	3125	538	0.20	0.14	14						
13000	9750	6500	3250	559	0.20	0.15	15						
14000	10500	7000	3500	602	0.20	0.17	17						
15000	11250	7500	3750	645	0.20	0.19	19						
16000	12000	8000	4000	688	0.20	0.22	22						
17000	12750	8500	4250	731	0.20	0.24	24						
18000	13500	9000	4500	775	0.30	0.26	26						
19000	14250	9500	4750	818	0.30	0.29	29						
20000	15000	10000	5000	861	0.30	0.32	32						
22000	16500	11000	5500	947	0.30	0.38	38						
24000	18000	12000	6000	1033	0.30	0.44	44						
26000	19500	13000	6500	1119	0.40	0.50	50						
28000	21000	14000	7000	1205	0.40	0.57	57						
30000	22500	15000	7500	1291	0.40	0.65	65	0.30	0.21	21			
32000	24000	16000	8000	1377	0.50	0.72	72	0.30	0.23	23			
34000	25500	17000	8500	1463	0.50	0.80	80	0.30	0.26	26			
36000	27000	18000	9000	1549	0.50	0.89	89	0.30	0.28	28			
38000	28500	19000	9500	1635	0.50	0.98	98	0.30	0.31	31			
40000	30000	20000	10000	1721	0.60	1.07	107	0.40	0.34	34			
42000	31500	21000	10500	1807	0.60	1.16	116	0.40	0.37	37			
44000	33000	22000	11000	1893	0.60	1.26	126	0.40	0.40	40			
46000	34500	23000	11500	1979	0.70	1.36	136	0.40	0.43	43			
48000	36000	24000	12000	2065	0.70	1.47	147	0.40	0.47	47	0.30	0.12	12
50000	37500	25000	12500	2151	0.70	1.58	158	0.40	0.50	50	0.30	0.13	13
52000	39000	26000	13000	2238	0.70	1.69	169	0.50	0.54	54	0.30	0.14	14
54000	40500	27000	13500	2324	0.80	1.81	181	0.50	0.57	57	0.30	0.15	15
56000	42000	28000	14000	2410	0.80	1.93	193	0.50	0.61	61	0.30	0.16	16
58000	43500	29000	14500	2496	0.80	2.05	205	0.50	0.65	65	0.30	0.17	17
60000	45000	30000	15000	2582	0.90	2.17	217	0.50	0.69	69	0.30	0.18	18
62000	46500	31000	15500	2668	0.90	2.30	230	0.50	0.73	73	0.30	0.19	19
64000	48000	32000	16000	2754	0.90	2.43	243	0.60	0.77	77	0.30	0.21	21
66000	49500	33000	16500	2840	0.90	2.57	257	0.60	0.82	82	0.30	0.22	22
68000	51000	34000	17000	2926	1.00	2.71	271	0.60	0.86	86	0.40	0.23	23
70000	52500	35000	17500	3012	1.00	2.85	285	0.60	0.91	91	0.40	0.25	25
72000	54000	36000	18000	3098	1.00	2.99	299	0.60	0.95	95	0.40	0.26	26
76000	57000	38000	19000	3270				0.70	1.05	105	0.40	0.29	29
80000	60000	40000	20000	3442				0.70	1.14	114	0.40	0.32	32
84000	63000	42000	21000	3614				0.70	1.25	125	0.40	0.36	36
88000	66000	44000	22000	3787				0.70	1.35	135	0.50	0.39	39
92000	69000	46000	23000	3959				0.70	1.46	146	0.50	0.43	43
96000	72000	48000	24000	4131				0.70	1.57	157	0.50	0.47	47
100000	75000	50000	25000	4303				0.90	1.69	169	0.50	0.51	51
104000	78000	52000	26000	4475				0.90	1.80	180	0.50	0.55	55
108000	81000	54000	27000	4647				0.90	1.93	193	0.60	0.59	59
112000	84000	56000	28000	4819				1.00	2.06	206	0.60	0.64	64
116000	87000	58000	29000	4991				1.00	2.19	219	0.60	0.68	68
120000	90000	60000	30000	5164				1.10	2.32	232	0.60	0.73	73
126000	94500	63000	31500	5417							0.70	0.80	80
132000	99000	66000	33000	5675							0.70	0.88	88
138000	103500	69000	34500	5933							0.70	0.96	96
144000	108000	72000	36000	6191							0.80	1.05	105
150000	112500	75000	37500	6449							0.80	1.14	114
156000	117000	78000	39000	6707							0.80	1.23	123
162000	121500	81000	40500	6965							0.80	1.33	133
168000	126000	84000	42000	7223							0.90	1.43	143
174000	130500	87000	43500	7481							0.90	1.53	153
180000	135000	90000	45000	7739							0.90	1.64	164
186000	139500	93000	46500	7997							1.00	1.75	175
192000	144000	96000	48000	8255							1.00	1.86	186
198000	148500	99000	49500	8512							1.10	1.98	198
204000	153000	102000	51000	8770							1.10	2.10	210
210000	157500	105000	52500	9028							1.10	2.23	223
216000	162000	108000	54000	9286							1.10	2.36	236
222000	166500	111000	55500	9544							1.20	2.49	249
228000	171000	114000	57000	9802							1.20	2.63	263
234000	175500	117000	58500	10060							1.20	2.77	277
240000	180000	120000	60000	10318							1.30	2.91	291

Fixation

The following points must be considered during planning:

- Commercially available pipe clamps with a rubber insert can be used
- Make sure there is good acoustic decoupling between the pipes and the structure
- Pipes laid freely do not require any support (e.g., supporting shells). They can be fixed using the clamp distance specified. This applies to both horizontally and vertically installed pipes
- For pipes laid on raw concrete:
  - Fix at least every 80 cm
  - No fixations in bent pipe segments
  - Bent lines must be fixed on the floor approx. 30 cm before and after each bend
    This also applies for fittings (e.g., T-pieces)

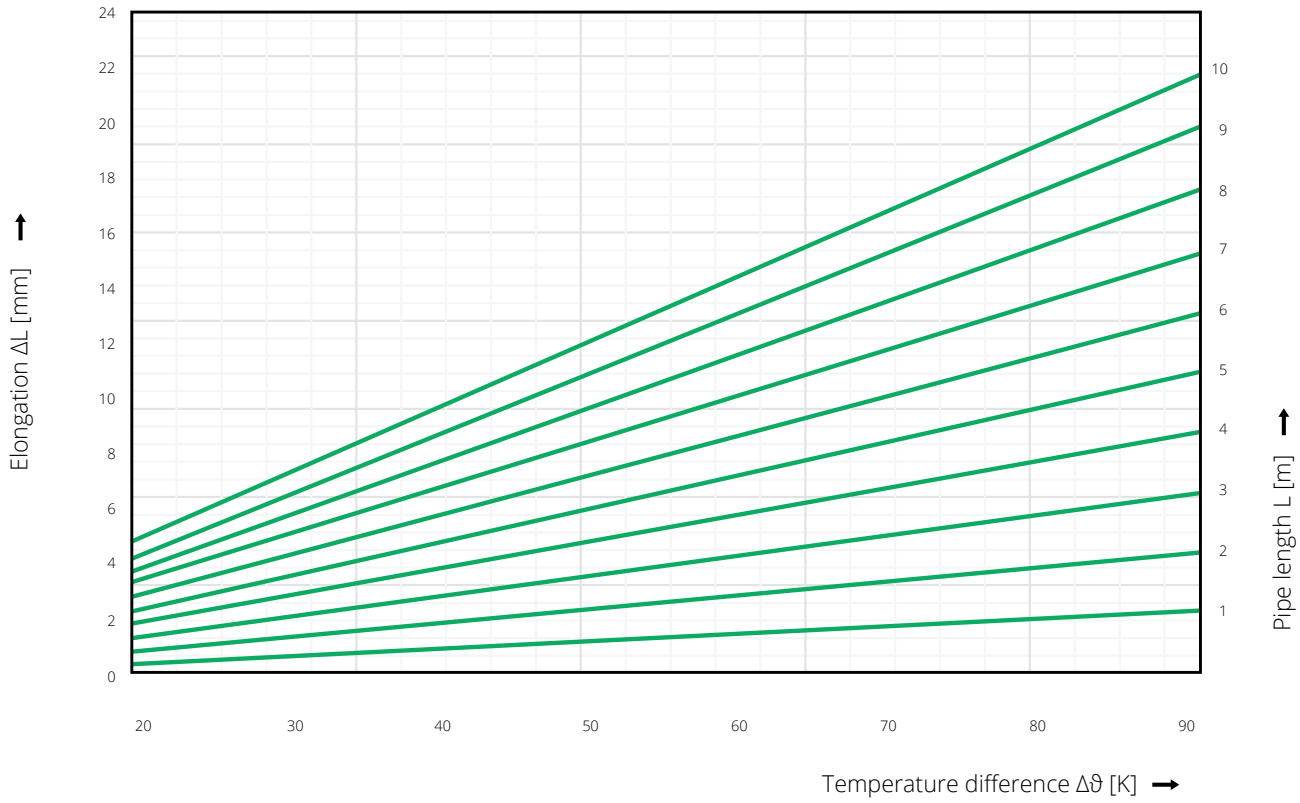
Fixing distances for freely laid pipes



Dimension [mm]	Distance B [m]
16	1
20	1
26	1.5
32	2
40	2
50	2.5
63	2.5

Elongation of RadoPress pipes

Expect minimal elongation thanks to the intermediate aluminum layer. However, care must be taken with heat expansion to prevent damage.
Elongation calculations can be taken from the following diagram:

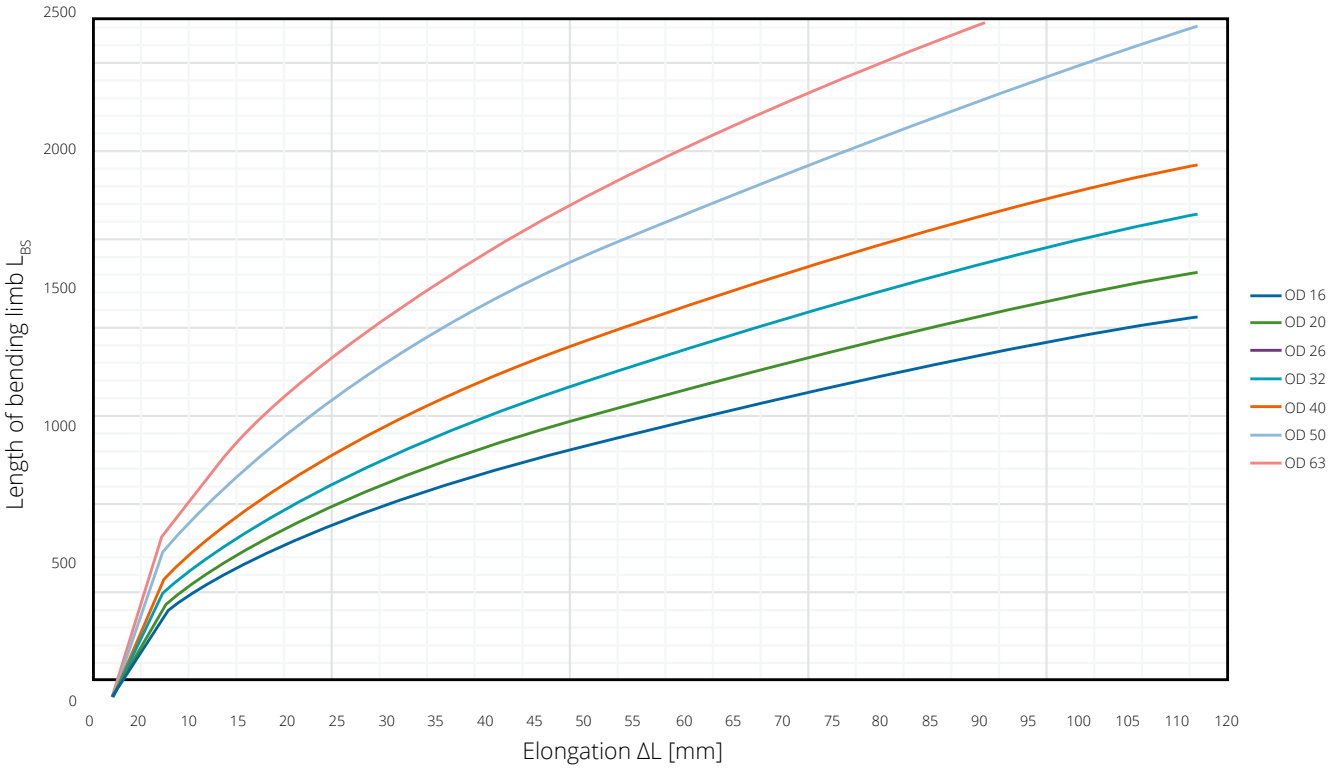


Or, calculated with this formula:
ΔL = α × L × Δϑ

α = Expansion coefficient [mm/(m*K)]
L = Pipe length [m]
Δϑ = Temperature difference between installation and max. operating temperature [K]
ΔL = Elongation [mm]

The thermal expansion coefficient of PIPELIFE RadoPress composite pipes is comparable to that of metal pipes:
α = 0.024 mm/(m*K)

Compensation for elongation



For pipes laid under plaster or in the floor:
Compensation through pipe insulation or a change of pipe direction will be required for structural reasons.

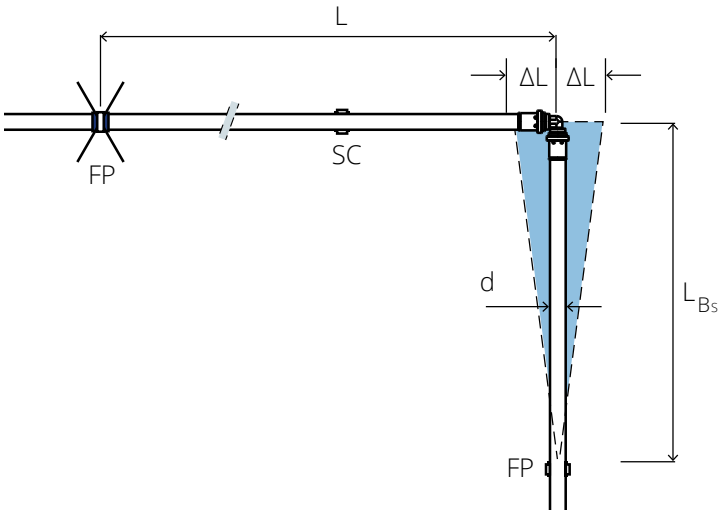
For cold-water lines:
Expansion is normally so small that it does not need to be considered.

For lines that become warm and are uncovered (heating/warm water, circulation):
Elongation must be calculated and controlled by installing a compensator.

Compensators must always be installed between two fixed points or between a fixed point and a change in direction.

Arrangement of fixed points:
The fixed point for longer lines is preferably situated in the middle of the line. This shortens the length of the expansion limb and is especially advantageous in risers with connections on every floor.

L-compensator for a change in direction



U-compensator

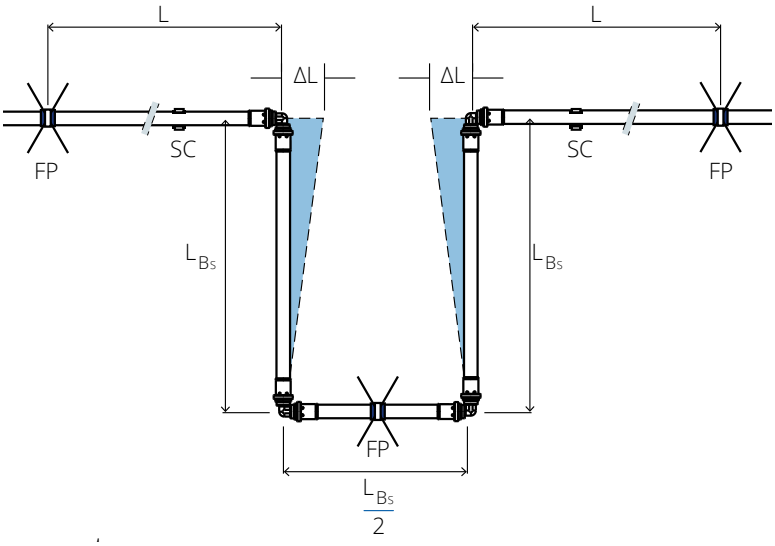
For long, straight lines, a U-compensator must be used to compensate for expansion.

The change in length can be controlled via the fixed points.

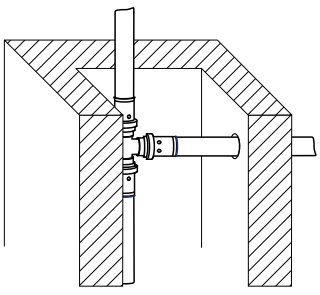
The length of the bending limb can be determined graphically with the diagram or calculated using the following formula:

LBS = C · √(OD · ΔL)

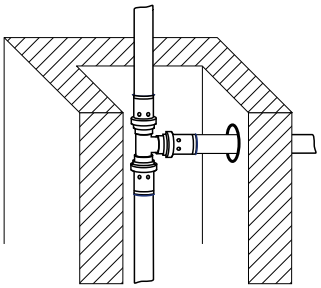
LBS = Length of bending limb
C = Material constants (for RadoPress pipe = 33)
ΔL = Elongation
OD = External pipe diameter
FP = Fixed point
SC = Sliding clamp



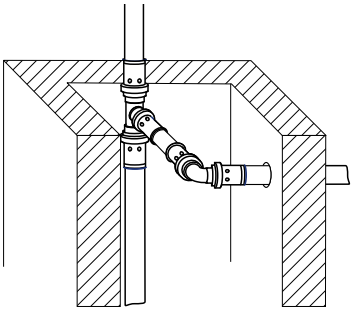
In shafts, the expansion of the riser must be factored in for connecting lines that branch off. This can be done by:



1. The appropriate placement of the riser in the shaft



2. Leaving sufficient space to pass through the wall



3. Installation of a free branch

Water distribution

General guidelines

Drinking water has the strictest quality standards of any foodstuff; no other consumable is checked as regularly or as often.

When devising plans for drinking water pipes, it is critical to consider the following points from a microbiological perspective:

- Pipelines must be as short as possible with small yet hydraulically appropriate pipe diameters to avoid the stagnation of water in the system
- The stagnation of tap water in areas that do not have a constant flow of water should be avoided
- Cold drinking water distribution systems must not be subject to heat from external sources
- Sections of the network that are not in use must be emptied and disconnected

The Drinking Water Ordinance references “generally recognized engineering practices.” These are comprised of national (DIN, DVGW, VDI) or international (EN, ISO) guidelines and standards as well as technical data sheets from relevant organizations. These documents are necessary for legal practitioners to evaluate whether an installation has been designed, built and operated in accordance with accepted norms and practices.The generally accepted engineering practices for the construction and operation of drinking water distribution systems can be found in the European basic standards EN 806 1 to 5, EN 1717 and the national supplementary standards DIN 1988-100 to 600 “Technical Rules for Drinking Water Delivery - (DVGW) Technical Rules“. DVGW Worksheets W 551 and 553 and VDI standard 6023 “Hygiene in drinking water distribution systems“ must also be followed.

European basic standards	National supplementary standards*
EN 1717 Protection of drinking water	DIN 1988–100 Protection of drinking water
EN 806 Part 1: General information	-
Part 2: Planning	DIN 1988–200 Planning
Part 3: Pipe sizing	DIN 1988–300 Pipe sizing
Part 4: Installation	-
Part 5: Operation and maintenance	DIN 1988–500 Pressure boosting stations with RPM-controlled pumps
-	DIN 1988–600 Drinking water installations in connet-ion with firefighting and fire protection

*In this case, German Supplementary Standards

RadoPress pipes



The PIPELIFE RadoPress pipe is a multi-layer composite made of aluminum and second-generation, heat-stabilized polyethylene **(PE-RT II/AL/PE-RT II).**

Pipe dimension [mm]	16 x 2.0	20 x 2.0	26 x 3.0	32 x 3.0	40 x 3.5	50 x 4.0	63 x 4.5
Outer diameter OD [mm]	16	20	26	32	40	50	63
Wall thickness [mm]	2	2	3	3	3.5	4.0	4.5
Internal diameter [mm]	12	16	20	26	33	42	54
Material			PE-RT II/AL/PE-RT II				
Weight [g/m]	105	140	260	350	500	700	1100
Weight with water [g/m]	218	341	574	881	1355	2085	3390
Volumes [l/m]	0.113	0.201	0.314	0.531	0.855	1.385	2.290
Heat conductivity (average) [W/(m*K)]	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Expansion coefficient [mm/(m*K)]	0.024	0.024	0.024	0.024	0.024	0.024	0.024
Surface roughness (pipe interior) [µm]	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Oxygen diffusion DIN 4726 [mg/(l*d)]	0	0	0	0	0	0	0
Max. operating temperature [°C]							
Drinking water application	70						
Heating application	80						
Max. operating pressure [bar]							
Drinking water application	10						
Heating application	10						
Bend radius (bent manually)	5 x OD	5 x OD	5 x OD	5 x OD	-	-	-
Bend radius (bent with bending tool)	3.5 x OD	3.5 x OD	3.5 x OD	3.5 x OD	-	-	-

RadoPress pipes



Item nr.	Description	Dimension
RP16X2-200PERT	RadoPress pipe 16x2 coil 200m	16x2.0
RP20X2-100PERT	RadoPress pipe 20x2 coil 100m	20x2.0
RP26X3-100PERT	RadoPress pipe 26x3 coil 100m	26x3.0
RP32X3-50PERT	RadoPress pipe 32x3 coil 50m	32x3.0

Item nr.	Description	Dimension
RP16X2-5PERT	RadoPress pipe 16x2 bar 5m	16x2.0
RP20X2-5PERT	RadoPress pipe 20x2 bar 5m	20x2.0
RP26X3-5PERT	RadoPress pipe 26x3 bar 5m	26x3.0
RP32X3-5PERT	RadoPress pipe 32x3 bar 5m	32x3.0
RP - R40/3.5-5	RadoPress pipe 40x3.5 bar 5m	40x3.5
RP - R50/4.0-5	RadoPress pipe 50x4 bar 5m	50x4.0
RP - R63/4.5-5	RadoPress pipe 63x4.5 bar 5m	63x4.5

Item nr.	Description	Dimension
1533000908	PERT_AL RP pipe 16x2.0 200m WH HG	16x2.0
1533000909	PERT_AL RP pipe 20x2.0 100m WH HG	20x2.0
1533000910	PERT_AL RP pipe 26x3.0 50m WH HG	26x3.0
1533000922	PERT_AL RP pipe 32x3.0 50m WH HG	32x3.0

Item nr.	Description	Dimension
1533000911	PERT_AL RP pipe 16x2.0 5m WH HG	16x2.0
1533000912	PERT_AL RP pipe 20x2.0 5m WH HG	20x2.0
1533000913	PERT_AL RP pipe 26x3.0 5m WH HG	26x3.0
1533000914	PERT_AL RP pipe 32x3.0 5m WH HG	32x3.0
1533000915	PERT_AL RP pipe 40x3.5 5m WH HG	40x3.5
1533000923	PERT_AL RP pipe 50x4.0 5m WH HG	50x4.0
1533000926	PERT_AL RP pipe 63x4.5 5m WH HG	63x4.5

RadoPress pre-insulated pipes



Item nr.	Description	Dimension
RP16X2-25PERT-IB_U	RadoPress pipe 16x2 6mm insulated coil 25m blue	16x2.0
RP16X2-25PERT-IR_U	RadoPress pipe 16x2 6mm insulated coil 25m red	16x2.0
RP20X2-25PERT-IB_U	RadoPress pipe 20x2 6mm insulated coil 25m blue	20x2.0
RP20X2-25PERT-IR_U	RadoPress pipe 20x2 6mm insulated coil 25m red	20x2.0
RP26x3-25PERT-IB_U	RadoPress pipe 26x3 6mm insulated coil 25m blue	26x3.0
RP26x3-25PERT-IR_U	RadoPress pipe 26x3 6mm insulated coil 25m red	26x3.0
RP32x3-25PERT-IB_U	RadoPress pipe 32x3 6mm insulated coil 25m blue	32x3.0
RP32x3-25PERT-IR_U	RadoPress pipe 32x3 6mm insulated coil 25m red	32x3.0

Item nr.	Description	Dimension
RP16X2-50PERT-IB_U	RadoPress pipe 16x2 6mm insulated coil 50m blue	16x2.0
RP16X2-50PERT-IR_U	RadoPress pipe 16x2 6mm insulated coil 50m red	16x2.0
RP20X2-50PERT-IB_U	RadoPress pipe 20x2 6mm insulated coil 50m blue	20x2.0
RP20X2-50PERT-IR_U	RadoPress pipe 20x2 6mm insulated coil 50m red	20x2.0
RP26x3-50PERT-IB_U	RadoPress pipe 26x3 6mm insulated coil 50m blue	26x3.0
RP26x3-50PERT-IR_U	RadoPress pipe 26x3 6mm insulated coil 50m red	26x3.0
RP32x3-50PERT-IB_U	RadoPress pipe 32x3 6mm insulated coil 50m blue	32x3.0
RP32x3-50PERT-IR_U	RadoPress pipe 32x3 6mm insulated coil 50m red	32x3.0

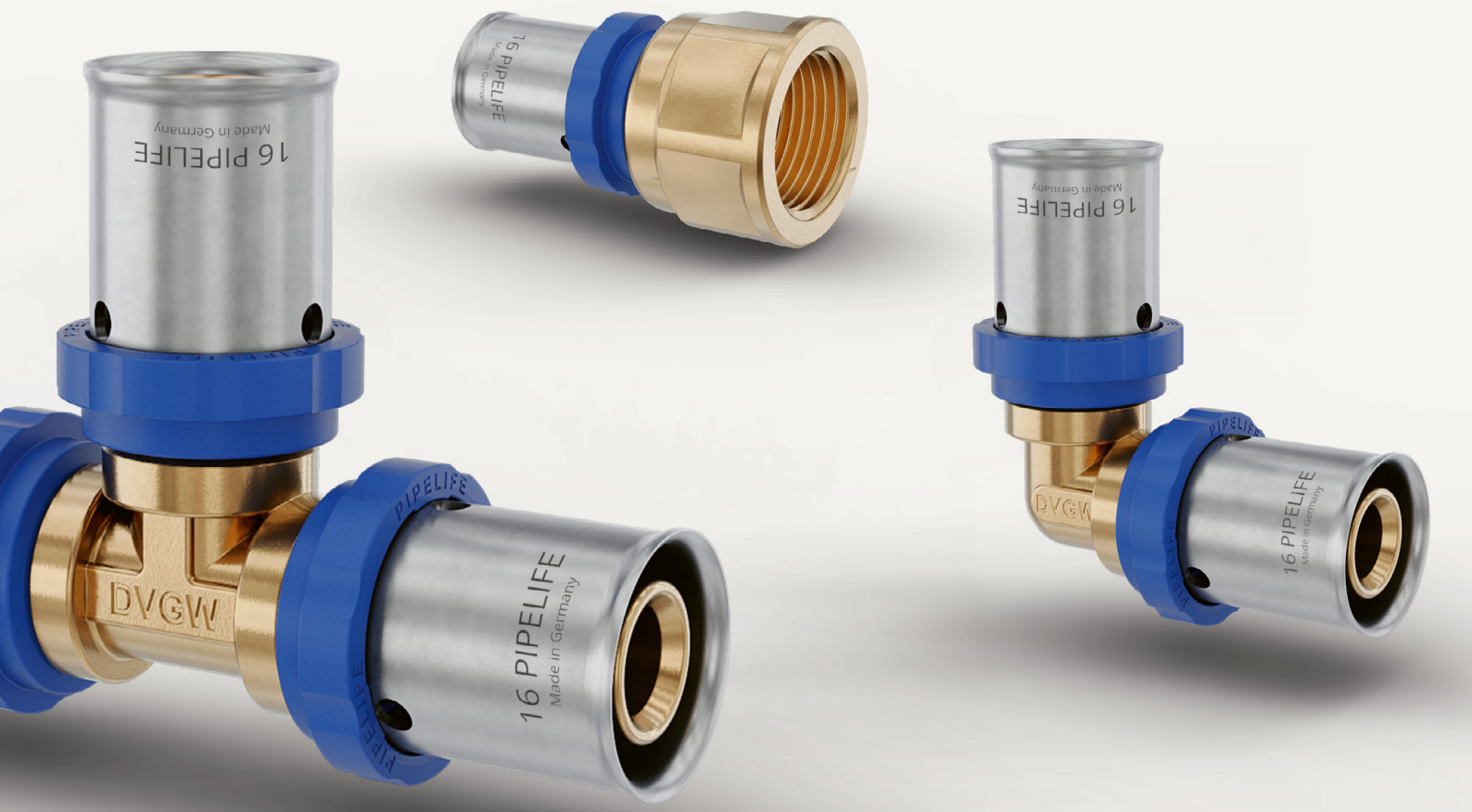
Item nr.	Description	Dimension
	6mm insulation	
1533000916	PERT_AL RP pipe 16x2.0 100m WH INS6BL HG	16x2.0
1533000918	PERT_AL RP pipe 20x2.0 50m WH INS6xBL HG	20x2.0
1533000920	PERT_AL RP pipe 26x3.0 50m WH INS6xBL HG	26x3.0
1533000924	PERT_AL RP pipe 32x3.0 50m WH INS6xBL HG	32x3.0
	9mm insulation	
1533000917	PERT_AL RP pipe 16x2.0 50m WH INS9xBL HG	16x2.0
1533000919	PERT_AL RP pipe 20x2.0 50m WH INS9xBL HG	20x2.0
1533000921	PERT_AL RP pipe 26x3.0 50m WH INS9xBL HG	26x3.0
1533000925	PERT_AL RP pipe 32x3.0 25m WH INS9xBL HG	32x3.0
	13mm insulation	
1533000927	PERT_AL RP pipe 16x2.0 50m WH INS13BL HG	16x2.0
1533000928	PERT_AL RP pipe 20x2.0 50m WH INS13BL HG	20x2.0
1533000929	PERT_AL RP pipe 26x3.0 50m WH INS13BL HG	26x3.0

Corrugated protection pipes for RadoPress



Item nr.	Description
RP-PROT16-50R	Corrugated protection pipe for RadoPress 16x2 red
RP-PROT16-50B	Corrugated protection pipe for RadoPress 16x2 blue
RP-PROT16-50BK	Corrugated protection pipe for RadoPress 16x2 black
RP-PROT20-50R	Corrugated protection pipe for RadoPress 20x2 red
RP-PROT20-50B	Corrugated protection pipe for RadoPress 20x2 blue
RP-PROT20-50BK	Corrugated protection pipe for RadoPress 20x2 black
RP-PROT26-50R	Corrugated protection pipe for RadoPress 26x3 red
RP-PROT26-50B	Corrugated protection pipe for RadoPress 26x3 blue

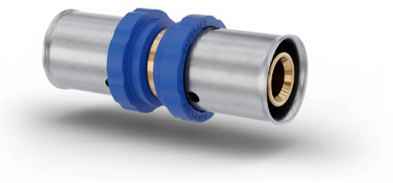
RadoPress fittings

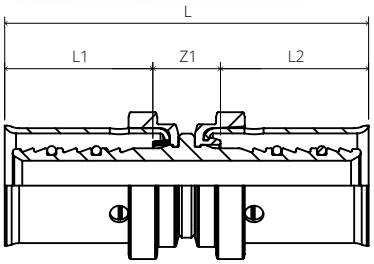


Technical data

Dimension [mm]	16 x 2.0	20 x 2.0	26 x 3.0	32 x 3.0	40 x 3.5	50 x 4.0	63 x 4.5
Fitting	Brass/PPSU	Brass/PPSU	Brass/PPSU	Brass/PPSU	Brass	Brass	Brass
Press jaw compatibility	TH/U	TH/U	TH/U	TH/U	TH	TH	TH
Leak-Before-Press	Yes	Yes	Yes	Yes	-	-	-

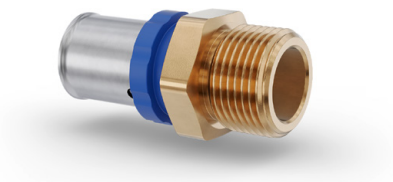
RadoPress coupler

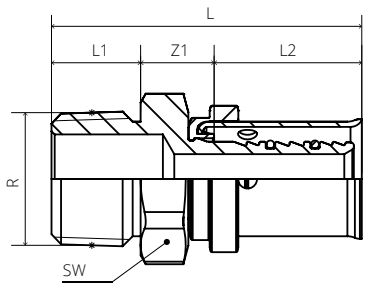




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm
1533000035	Brass RP coupler 16	16x2 – 16x2	57	23	23	11
1533000037	Brass RP coupler 20	20x2 – 20x2	57	23	23	11
1533000040	Brass RP coupler 26	26x3 – 26x3	57	23	23	11
1533000044	Brass RP coupler 32	32x3 – 32x3	58	23	23	12
1533000047	Brass RP coupler 40	40x3.5 – 40x3.5	59	23	23	13
1533000050	Brass RP coupler 50	50x4 – 50x4	83	35	35	13
1533000053	Brass RP coupler 63	63x4.5 – 63x4.5	90	38.5	38.5	13

RadoPress adapter MT

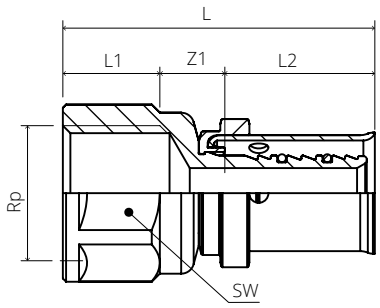




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm	SW mm	R "
1533000125	Brass RP adapter 16–MT½"	16x2 – 1/2"	48	14	23	11	24	1/2
1533000126	Brass RP adapter 16–MT¾"	16x2 – 3/4"	51	16	23	12	27	3/4
1533000127	Brass RP adapter 20–MT½"	20x2 – 1/2"	48	14	23	11	24	1/2
1533000128	Brass RP adapter 20–MT¾"	20x2 – 3/4"	51	16	23	12	27	3/4
1533000415	Brass RP adapter 20–MT1"	20x2 – 1"	57	20	23	14	36	1
1533000416	Brass RP adapter 26–MT½"	26x3 – 1/2"	48	14	23	11	24	1/2
1533000129	Brass RP adapter 26–MT¾"	26x3 – 3/4"	51	16	23	12	27	3/4
1533000130	Brass RP adapter 26–MT1''	26x3 – 1"	57	20	23	14	36	1
1533000131	Brass RP adapter 32–MT1''	32x3 – 1"	57	20	23	14	36	1
1533000132	Brass RP adapter 32–MT1¼"	32x3– 1 1/4"	59	22	23	14	46	1 1/4
1533000133	Brass RP adapter 40–MT1"	40x3.5 – 1"	57	20	23	14	36	1
1533000134	Brass RP adapter 40–MT1¼"	40x3.5 – 1 1/4"	59	22	23	14	46	1 1/4
1533000417	Brass RP adapter 50–MT1¼"	50x4 – 1 1/4"	71	22	35	14	46	1 1/4
1533000135	Brass RP adapter 50–MT1½"	50x4 – 1 1/2"	71	22	35	14	51	1 1/2
1533000136	Brass RP adapter 63–MT2"	63x4.5 – 2"	79	25	39	15	65	2

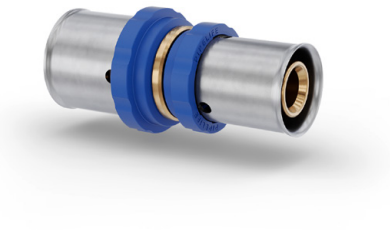
RadoPress adapter FT

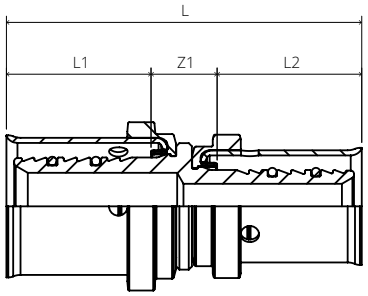




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm	SW mm	Rp "
1533000137	Brass RP adapter 16–FT½"	16x2 – 1/2"	48	16	23	9	25	1/2
1533000418	Brass RP adapter 16–FT¾"	16x2 – 3/4"	51	17	23	11	32	3/4
1533000138	Brass RP adapter 20–FT½"	20x2 – 1/2"	47	16	23	8	27	1/2
1533000139	Brass RP adapter 20–FT¾"	20x2 – 3/4"	50	17	23	10	32	3/4
1533000140	Brass RP adapter 26–FT¾"	26x3 – 3/4"	49	17	23	9	32	3/4
1533000141	Brass RP adapter 26–FT1"	26x3 – 1"	54	21	23	10	41	1
1533000142	Brass RP adapter 32–FT1"	32x3 – 1"	53	21	23	9	41	1
1533000143	Brass RP adapter 32–FT1¼"	32x3– 1 1/4"	57	23	23	11	50	1 1/4
1533000144	Brass RP adapter 40–FT1"	40x3.5 – 1"	53	21	23	9	38	1
1533000145	Brass RP adapter 40–FT1¼"	40x3.5 – 1 1/4"	59	23	23	13	50	1 1/4
1533000419	Brass RP adapter 40–FT1½"	40x3.5 – 1 1/2"	59	23	23	13	55	1 1/2
1533000420	Brass RP adapter 50–FT1¼"	50x4 – 1 1/4"	66	23	35	8	50	1 1/4
1533000146	Brass RP adapter 50–FT1½"	50x4 – 1 1/2"	67	23	35	9	55	1 1/2
1533000147	Brass RP adapter 63–FT2"	63x4.5 – 2"	72	27	39	6	65	2

RadoPress reducer

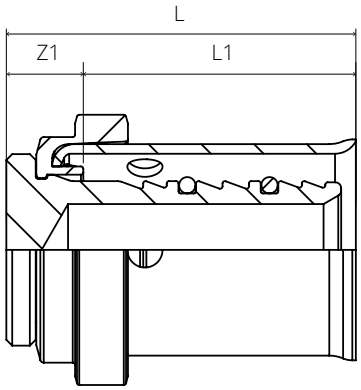




Item nr.	Description	Dimensions	L mm	L1 mm	L2 mm	Z1 mm
1533000036	Brass RP reducer 20–16	20x2 – 16x2	57	23	23	11
1533000038	Brass RP reducer 26–16	26x3 – 16x2	57	23	23	11
1533000039	Brass RP reducer 26–20	26x3 – 20x2	57	23	23	11
1533000041	Brass RP reducer 32–16	32x3 – 16x2	58	23	23	12
1533000042	Brass RP reducer 32–20	32x3 – 20x2	58	23	23	12
1533000043	Brass RP reducer 32–26	32x3 – 26x3	58	23	23	12
1533000045	Brass RP reducer 40–26	40x3.5 – 26x3	59	23	23	13
1533000046	Brass RP reducer 40–32	40x3.5 – 32x3	59	23	23	13
1533000048	Brass RP reducer 50–32	50x4 – 32x3	71	35	23	13
1533000049	Brass RP reducer 50–40	50x4 – 40x3.5	71	35	23	13
1533000051	Brass RP reducer 63–40	63x4.5 – 40x3.5	75	39	23	13
1533000052	Brass RP reducer 63–50	63x4.5 – 50x4	87	39	35	13

RadoPress plug

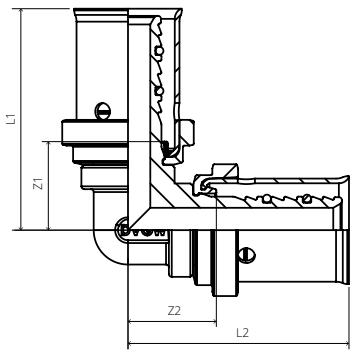




Item nr.	Description	Dimension	L mm	L1 mm	Z1 mm
1533000058	Brass RP plug 16	16x2	30	23	7
1533000059	Brass RP plug 20	20x2	30	23	7
1533000060	Brass RP plug 26	26x3	30	23	7
1533000061	Brass RP plug 32	32x3	31	23	8
1533000062	Brass RP plug 40	40x3.5	32	23	9
1533000063	Brass RP plug 50	50x4	45	35	10

RadoPress elbow

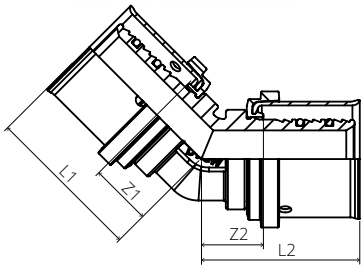




Item nr.	Description	Dimension	Z1 mm	L1 mm	Z2 mm	L2 mm
1533000159	Brass RP elbow 16 90°	16x2 – 16x2	16	39	16	39
1533000160	Brass RP elbow 20 90°	20x2 – 20x2	18	41	18	41
1533000161	Brass RP elbow 26 90°	26x3 – 26x3	18	41	18	41
1533000162	Brass RP elbow 32 90°	32x3 –32x3	24	47	24	47
1533000163	Brass RP elbow 40 90°	40x3.5 –40x3.5	26	49	26	49
1533000164	Brass RP elbow 50 90°	50x4 – 50x4	32	67	32	67
1533000165	Brass RP elbow 63 90°	63x4.5 – 63x4.5	43	81	43	81

RadoPress elbow 45°

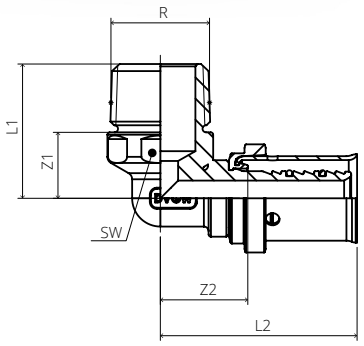




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm
1533000175	Brass RP elbow 26 45°	26x3 – 26x3	38	15	38	15
1533000176	Brass RP elbow 32 45°	32x3 – 32x3	39	16	39	16
1533000177	Brass RP elbow 40 45°	40x3.5 – 40x3.5	45	22	45	22
1533000178	Brass RP elbow 50 45°	50x4 – 50x4	57	22	57	22
1533000179	Brass RP elbow 63 45°	63x4.5 – 63x4.5	62.5	24	62.5	24

RadoPress elbow adapter MT

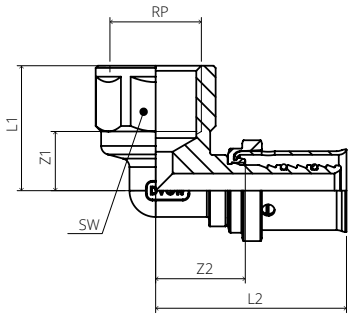




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	SW mm	R "
1533000166	Brass RP adapter 16–MT½" 90°	16x2 – 1/2"	30	16	41	18	22	1/2
1533000421	Brass RP adapter 16–MT¾" 90°	16x2 – 3/4"	32	16	45	22	27	3/4
1533000167	Brass RP adapter 20–MT½" 90°	20x2 – 1/2"	32	18	42	19	22	1/2
1533000168	Brass RP adapter 20–MT¾" 90°	20x2 – 3/4"	34	18	44	21	27	3/4
1533000169	Brass RP adapter 26–MT¾" 90°	26x3 – 3/4"	34	18	44	21	27	3/4
1533000170	Brass RP adapter 26–MT1" 90°	26x3 – 1"	42	22	48	25	34	1
1533000171	Brass RP adapter 32–MT1" 90°	32x3 – 1"	45	25	48	25	34	1
1533000172	Brass RP adapter 40–MT1¼" 90°	40x3.5 – 1 1/4"	56	34	53	30	43	1/4
1533000422	Brass RP adapter 50–MT1¼" 90°	50x4 – 1 1/4"	61	39	65	30	43	1 1/4
1533000423	Brass RP adapter 50–MT1½" 90°	50x4 – 1 1/2"	61	39	68	33	50	1 1/2
1533000424	Brass RP adapter 63–MT2" 90°	63x4.5 – 2"	70	45	78	39	60	2

RadoPress elbow adapter FT

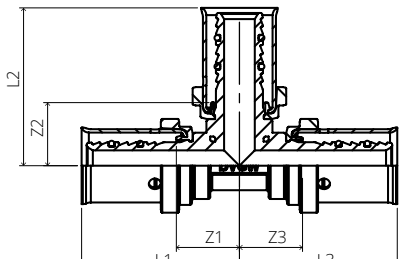




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	SW mm	RP "
1533000180	Brass RP adapter 16–FT½" 90°	16x2 – 1/2"	29	13	45	22	27	1/2
1533000425	Brass RP adapter 16–FT¾" 90°	16x2 – 3/4"	32	15	48	25	33	3/4
1533000181	Brass RP adapter 20–FT½" 90°	20x2 – 1/2"	31	15	45	22	27	1/2
1533000182	Brass RP adapter 20–FT¾" 90°	20x2 – 3/4"	33	16	48	25	33	3/4
1533000183	Brass RP adapter 26–FT¾" 90°	26x3 – 3/4"	34	17	48	25	33	3/4
1533000184	Brass RP adapter 26–FT1" 90°	26x3 – 1"	41	20	53	30	41	1
1533000185	Brass RP adapter 32–FT1" 90°	32x3 – 1"	42	21	53	30	41	1
1533000186	Brass RP adapter 40–FT1¼" 90°	40x3.5 – 1 1/4"	50	27	58	35	50	1 1/4
1533000426	Brass RP adapter 50–FT1¼" 90°	50x4 – 1 1/4"	51	28	72	37	50	1 1/4
1533000427	Brass RP adapter 50–FT1½" 90°	50x4 – 1 1/2"	52	29	73	38	56	1 1/2
1533000428	Brass RP adapter 63–FT2" 90°	63x4.5 – 2"	62	35	81	42	67	2

RadoPress tee

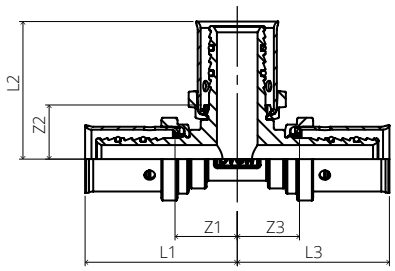




Item nr.	Description	Dimension	Z1 mm	L1 mm	Z2 mm	L2 mm	Z3 mm	L3 mm
1533000064	Brass RP tee 16	16x2 – 16x2 – 16x2	16	39	16	39	16	39
1533000067	Brass RP tee 20	20x2 – 20x2 – 20x2	18	41	18	41	18	41
1533000008	Brass RP tee 26	26x3 – 26x3 – 26x3	18	41	18	41	18	41
1533000083	Brass RP tee 32	32x3 – 32x3 – 32x3	24	47	24	47	24	47
1533000091	Brass RP tee 40	40x3.5 – 40x3.5 – 40x3.5	26	49	26	49	26	49
1533000098	Brass RP tee 50	50x4 – 50x4 – 50x4	32	67	32	67	32	67
1533000101	Brass RP tee 63	63x4.5 – 63x4.5 – 63x4.5	43	81	43	81	43	81

RadoPress tee middle oulet large

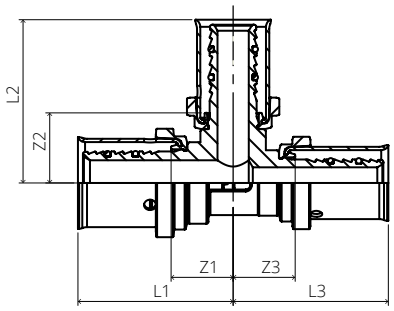




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000065	Brass RP tee 16–20–16	16x2 – 20x2 – 16x2	40	17	38	15	40	17
1533000068	Brass RP tee 20–26–20	20x2 – 26x3 – 20x2	43	20	39	16	43	20
1533000076	Brass RP tee 26–32–26	26x3 – 32x3 – 26x3	45	22	43	20	45	22
1533000429	Brass RP tee 32–40–32	32x3 – 40x3.5 – 32x3	49	26	45	22	49	26

RadoPress tee reduced

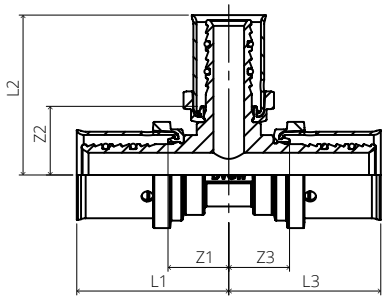




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000066	Brass RP tee 20–16–16	20x2 – 16x2 – 16x2	38	15	40	17	39	16
1533000007	Brass RP tee 20–20–16	20x2 – 20x2 – 16x2	40	17	40	17	41	18
1533000069	Brass RP tee 26–16–20	26x3 – 16x2 – 20x2	39	16	43	20	38	15
1533000071	Brass RP tee 26–20–16	26x3 – 20x2 – 16x2	41	18	44	21	39	16
1533000072	Brass RP tee 26–20–20	26x3 – 20x2 – 20x2	41	18	43	20	40	17
1533000074	Brass RP tee 26–26–16	26x3 – 26x3 – 16x2	44	21	43	20	43	20
1533000075	Brass RP tee 26–26–20	26x3 – 26x3 – 20x2	44	21	43	20	43	20
1533000430	Brass RP tee 32–20–20	32x3 – 20x2 – 20x2	41	18	47	24	41	18
1533000078	Brass RP tee 32–20–26	32x3 – 20x2 – 26x3	41	18	47	24	41	18
1533000080	Brass RP tee 32–26–26	32x3 – 26x3 – 26x3	44	21	47	24	43	20
1533000431	Brass RP tee 32–32–20	32x3 – 32x3 – 20x2	47	24	47	24	46	23
1533000082	Brass RP tee 32–32–26	32x3 – 32x2 – 26x3	47	24	47	24	46	23
1533000085	Brass RP tee 40–26–32	40x3.5 – 26x3 – 32x3	43	20	49	26	42	19
1533000087	Brass RP tee 40–32–32	40x3.5 – 32x3 –32x3	47	24	50	27	46	23
1533000089	Brass RP tee 40–40–26	40x3.5 – 40x3.5 – 26x3	49	26	49	26	49	26
1533000090	Brass RP tee 40–40–32	40x3.5 – 40x3.5 – 32x3	49	26	49	26	49	26
1533000432	Brass RP tee 50–32–40	50x4 – 32x3 – 40x3.5	58	23	54	31	46	23
1533000094	Brass RP tee 50–40–40	50x4 – 40x3.5 – 40x3.5	61	26	54	31	50	27
1533000096	Brass RP tee 50–50–32	50x4 – 50x4 – 32x3	67	32	67	32	55	32
1533000097	Brass RP tee 50–50–40	50x4 – 50x4 – 40x3.5	67	32	67	32	56	33
1533000433	Brass RP tee 63–40–50	63x4.5 – 40x3.5 – 50x4	65	26	61	38	61	26
1533000434	Brass RP tee 63–50–50	63x4.5 – 50x4 – 50x4	71	32	73	38	66	31
1533000435	Brass RP tee 63–63–40	63x4.5 – 63x4.5 – 40x3.5	77	38	77	38	62	39

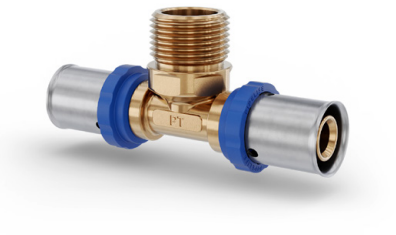
RadoPress tee middle outlet reduced

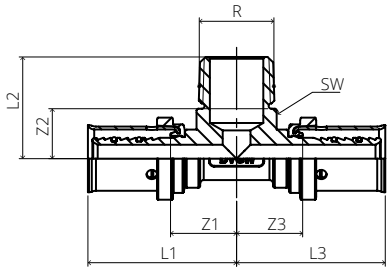




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000006	Brass RP tee 20–16–20	20x2 – 16x2 – 20x2	38	15	41	18	38	15
1533000070	Brass RP tee 26–16–26	26x3 – 16x2 – 26x3	39	16	44	21	39	16
1533000073	Brass RP tee 26–20–26	26x3 – 20x2 – 26x3	41	18	44	21	41	18
1533000077	Brass RP tee 32–16–32	32x3 – 16x2 – 32x3	39	16	47	24	39	16
1533000079	Brass RP tee 32–20–32	32x3 – 20x2 – 32x3	41	18	47	24	41	18
1533000081	Brass RP tee 32–26–32	32x3 – 26x3 – 32x3	42	19	47	24	42	19
1533000084	Brass RP tee 40–20–40	40x3.5 – 20x2 –40x3.5	41	18	49	26	41	18
1533000086	Brass RP tee 40–26–40	40x3.5 – 26x3 – 40x3.5	43	20	49	26	43	20
1533000088	Brass RP tee 40–32–40	40x3.5 – 32x3 – 40x3.5	46	23	49	26	46	23
1533000092	Brass RP tee 50–26–50	50x4 – 26x3 – 50x4	55	20	56	33	55	20
1533000093	Brass RP tee 50–32–50	50x4 – 32x3 – 50x4	58	23	56	33	58	23
1533000095	Brass RP tee 50–40–50	50x4 – 40x3.5 – 50x4	62	27	56	33	62	27
1533000099	Brass RP tee 63–40–63	63x4.5 – 40x3.5 – 63x4.5	66	27	62	39	66	27
1533000100	Brass RP tee 63–50–63	63x4.5 – 50x4 – 63x4.5	71	32	72	37	71	32

RadoPress tee MT

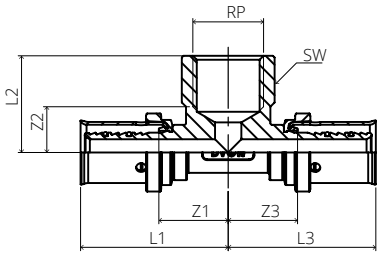




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm	R "	SW mm
1533000102	Brass RP tee 16–MT½"–16	16x2 – 1/2" – 16x2	42	19	30	16	42	19	1/2"	21
1533000103	Brass RP tee 20–MT½"–20	20x2 – 1/2" – 20x2	42	19	32	18	42	19	1/2"	21
1533000104	Brass RP tee 20–MT¾"–20	20x2 – 3/4" – 20x2	45	22	34	18	45	22	3/4"	27
1533000105	Brass RP tee 26–MT½"–26	26x3 – 1/2" – 26x3	41	18	34	18	41	18	1/2"	21
1533000106	Brass RP tee 26–MT¾"–26	26x3 – 3/4" – 26x3	44	21	36	20	44	21	3/4"	27
1533000107	Brass RP tee 26–MT1"–26	26x3 – 1" – 26x3	49	26	42	22	49	26	1"	34
1533000108	Brass RP tee 32–MT¾"–32	32x3 – 3/4" – 32x3	45	22	40	24	45	22	3/4"	27
1533000109	Brass RP tee 32–MT1"–32	32x3 – 1" – 32x3	49	26	45	25	49	26	1"	34
1533000110	Brass RP tee 40–MT1"–40	40x4.5 – 1" – 40x4.5	49	26	48	28	49	26	1"	34
1533000111	Brass RP tee 50–MT1¼"–50	50x4 – 1 1/4" – 50x4	65	30	62	40	65	30	1 1/4"	43

RadoPress tee FT

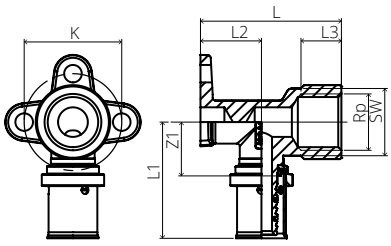




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm	Rp "	SW mm
1533000113	Brass RP tee 16–FT½"–16	16x2 – 1/2" – 16x2	46	23	30	14	46	23	1/2"	27
1533000114	Brass RP tee 20–FT½"–20	20x2 – 1/2" – 20x2	46	23	30	14	46	23	1/2"	27
1533000115	Brass RP tee 20–FT¾"–20	20x2 – 3/4" – 20x2	49	26	33	16	49	26	3/4"	33
1533000116	Brass RP tee 26–FT½"–26	26x3 – 1/2" – 26x3	46	23	32	16	46	23	1/2"	27
1533000117	Brass RP tee 26–FT¾"–26	26x3 – 3/4" – 26x3	49	26	34	17	49	26	3/4"	33
1533000118	Brass RP tee 32–FT½"–32	32x3 – 1/2" – 32x3	46	23	35	19	46	23	1/2"	27
1533000119	Brass RP tee 32–FT¾"–32	32x3 – 3/4" – 32x3	49	26	38	21	49	26	3/4"	33
1533000120	Brass RP tee 32–FT1"–32	32x3 – 1" – 32x3	53	30	43	22	53	30	1"	41
1533000121	Brass RP tee 40–FT1"–40	40x4.5 – 1" – 40x4.5	53	30	44	23	53	30	1"	41
1533000122	Brass RP tee 40–FT1¼"–40	40x4.5 – 1 1/4" – 40x4.5	58	35	49	26	58	35	1 1/4"	50
1533000123	Brass RP tee 50–FT1¼"–50	50x4 – 1 1/4" – 50x4	69	34	50	27	69	34	1 1/4"	50
1533000124	Brass RP tee 50–FT1½"–50	50x4 – 1 1/2" – 50x4	72	37	52	29	72	37	1 1/2"	56

RadoPress tap elbow

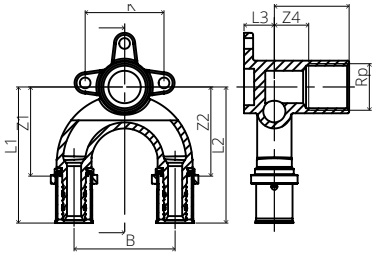




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	L3 mm	L mm	K mm	Rp "	SW mm
1533000436	Brass RP adapter 16–FT⅜" 90° TAP39	16x2 – 3/8" – 39mm	44	21	17.5	14	39	36	3/8"	25
1533000437	Brass RP adapter 16–FT½" 90° TAP39	16x2 – 1/2" – 39mm	46	23	17.5	14	39	36	1/2"	27
1533000189	Brass RP adapter 16–FT½" 90° TAP52	16x2 – 1/2" – 52mm	46	23	22.5	14	52	36	1/2"	27
1533000187	Brass RP adapter 16–FT½" 90° TAP78	16x2 – 1/2" – 78mm	46	23	22.5	14	78	36	1/2"	27
1533000190	Brass RP adapter 20–FT½" 90° TAP52	20x2 – 1/2" – 52mm	46	23	22.5	14	52	36	1/2"	27
1533000188	Brass RP adapter 20–FT½" 90° TAP78	20x2 – 1/2" – 78mm	46	23	22.5	14	78	36	1/2"	27
1533000191	Brass RP adapter 20–FT¾" 90° TAP52	20x2 – 3/4" – 52mm	48	25	22.5	16	52	36	3/4"	33
1533000192	Brass RP adapter 26–FT¾" 90° TAP52	26x2 – 3/4" – 52mm	48	25	23	16	52	36	3/4"	33

RadoPress U-tap elbow

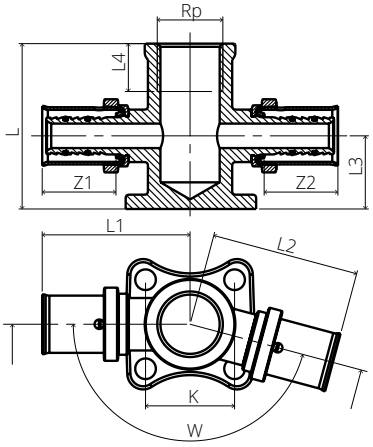




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	B mm	K mm	Rp "	L3 mm	L4 mm	Z4 mm
1533000194	Brass RP adapter 16–FT½" 90° U–tap	16x2 – 1/2" – 52mm	67	44	67	44	50	39	1/2"	15	37	17
1533000195	Brass RP adapter 20–FT½" 90° U–tap	20x2 – 1/2" – 52mm	67	44	67	44	50	39	1/2"	15	37	17

RadoPress S-tap elbow

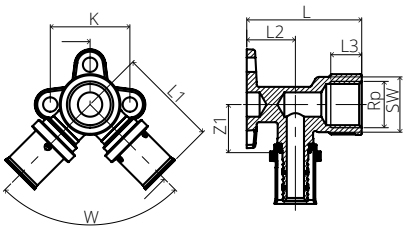




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Rp "	L4 mm	W mm	K mm	L mm
1533000440	Brass RP tee 16–FT½"–16 165° S–tap	16x2 – 1/2" – 16x2	46	23	46	23	23	1/2"	14	165	28	52
1533000441	Brass RP tee 20–FT½"–20 165° S– tap	20x2 – 1/2" – 20x2	46	23	46	23	23	1/2"	14	165	25	52

RadoPress V-tap elbow

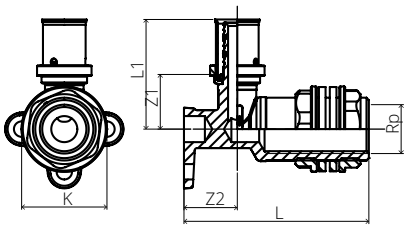




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	L mm	L3 mm	Rp "	SW mm	W mm	K mm
1533000438	Brass RP adapter 16–FT½"–16 90° V–tap	16x2 – 1/2" – 16x2	45	22	22	52	14	1/2"	27	90	36
1533000439	Brass RP adapter 20–FT½"–20 90° V–tap	20x2 – 1/2" – 20x2	45	22	24	52	14	1/2"	27	90	36

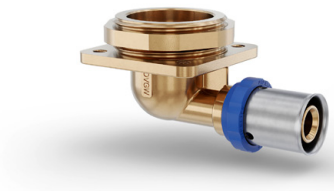
RadoPress tap elbow wall duct

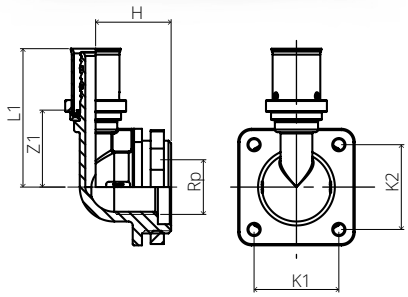




Item nr.	Description	Dimension	L1 mm	Z1 mm	L mm	Z2 mm	Rp "	K mm
1533000173	Brass RP adapter 16–FT½" 90° wall	16x2 – 1/2"	46	23	78	22.5	1/2	36
1533000174	Brass RP adapter 20–FT½" 90° wall	20x2 – 1/2"	46	23	78	22.5	1/2	36

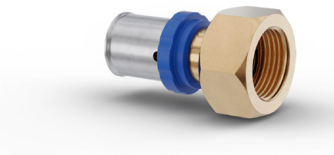
RadoPress adapter cistern

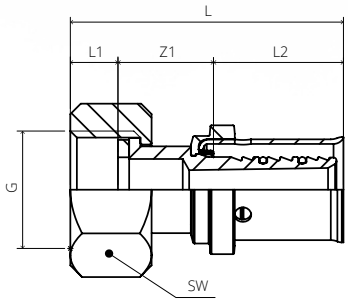




Item nr.	Description	Dimension	L1 mm	Z1 mm	H mm	Rp „	K1 mm	K2 mm
1533000112	Brass RP adapter 16–FT½" 90° cistern	16x2 – 1/2"	52	29	28.5	1/2	32	32

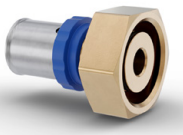
RadoPress swivel nut

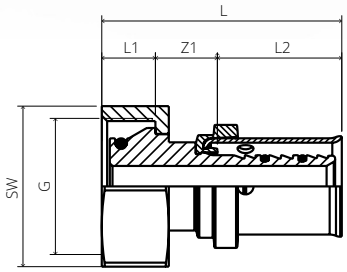




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	L mm	G "	SW mm
1533000148	Brass RP adapter 16–FT½" nut	16x2 – 1/2"	9	17	23	49	1/2	27
1533000149	Brass RP adapter 16–FT¾" nut	16x2 – 3/4"	8	15	23	46	3/4	32
1533000150	Brass RP adapter 20–FT½" nut	20x2 – 1/2"	9	17	23	49	1/2	27
1533000151	Brass RP adapter 20–FT¾" nut	20x2 – 3/4"	9	17	23	49	3/4	32
1533000152	Brass RP adapter 20–FT1'' nut	20x2 – 1"	10	19	23	53	1	40
1533000442	Brass RP adapter 20–FT1½'' nut	20x2 – 1 1/2"	10	13	23	46	1 1/2	52
1533000153	Brass RP adapter 26–FT¾" nut	26x3 – 3/4"	8	18	23	49	3/4	32
1533000154	Brass RP adapter 26–FT1'' nut	26x3 – 1"	10	21	23	54	1	40
1533000443	Brass RP adapter 26–FT1½'' nut	26x3 – 1 1/2"	10	13	23	46	1 1/2	54
1533000444	Brass RP adapter 32–FT1" nut	32x3 – 1"	10	19	23	53	1	40
1533000155	Brass RP adapter 32–FT1¼" nut	32x3 – 1 1/4"	10	19	23	53	1 1/4	48
1533000156	Brass RP adapter 32–FT1½" nut	32x3 – 1 1/2"	10	20	23	53	1 1/2	54
1533000157	Brass RP adapter 40–FT1¼" nut	40x3.5 – 1 1/4"	10	22	23	55	1 1/4	48
1533000158	Brass RP adapter 40–FT1½" nut	40x3.5 – 1 1/2"	10	20	23	53	1 1/2	52
1533000445	Brass RP adapter 50–FT2" nut	50x4 – 2"	13	25	35	73	2	66
1533000446	Brass RP adapter 63–FT2½" nut	63x4.5 – 2 1/2"	19	34	39	92	2 1/2	82

RadoPress adapter eurocone

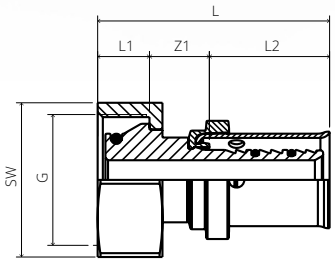




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm	G "	SW mm
1533000447	Brass RP adapter 16–FT¾" eurocone	16x2 – 3/4"	45	10	23	12	3/4	30
1533000448	Brass RP adapter 20–FT¾" eurocone	20x2 – 3/4"	47	10	23	14	3/4	30

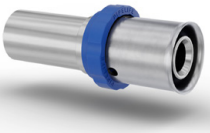
RadoPress adapter eurocone Ni plated

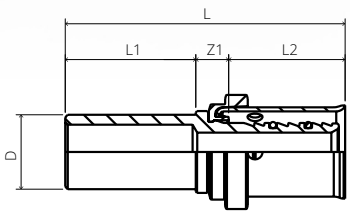




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm	G "	SW mm
1533000449	Brass RP adapter 16–FT¾" eurocone Ni	16x2 – 3/4"	45	10	23	12	3/4	30
1533000450	Brass RP adapter 20–FT¾" eurocone Ni	20x2 – 3/4"	47	10	23	14	3/4	30

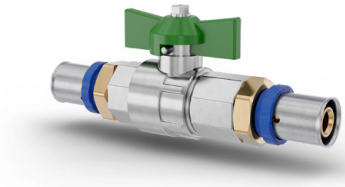
RadoPress adapter to Cu pipe Ni plated

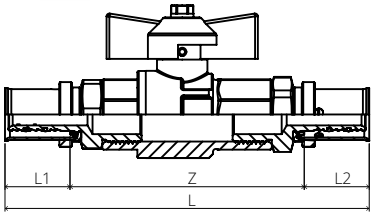




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	L3 mm	D mm
1533000475	Brass RP adapter 16–15 to CU/Ni	16x2 – 15	56	26	23	7	15
1533000476	Brass RP adapter 20–15 to CU/Ni	20x2 – 15	56	26	23	7	15
1533000477	Brass RP adapter 20–18 to CU/Ni	20x2 – 18	56	26	23	7	18
1533000478	Brass RP adapter 20–22 to CU/Ni	20x2 – 22	56	26	23	7	22
1533000479	Brass RP adapter 26–22 to CU/Ni	26x3 – 22	56	26	23	7	22
1533000480	Brass RP adapter 32–28 to CU/Ni	32x3 – 28	56	25	23	8	28

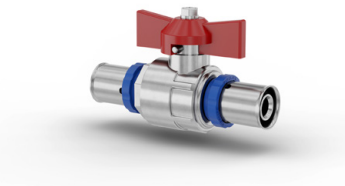
RadoPress ball valve tapwater

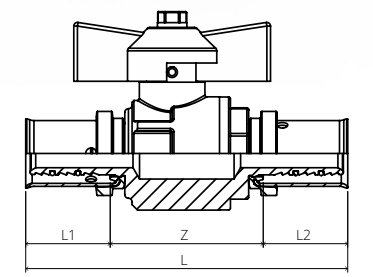




Item nr.	Description	Dimension	L1 mm	Z mm	L2 mm	L mm
1533000002	Brass RP valve 16 ball/GR/TW	16 x 2	23	83	23	129
1533000055	Brass RP valve 20 ball/GR/TW	20 x 2	23	84	23	130
1533000057	Brass RP valve 26 ball/GR/TW	26 x 3	23	91	23	137
1533000490	Brass RP valve 32 ball/GR/TW	32 x 3	23	113	23	159
1533000491	Brass RP valve 40 ball/GR/TW	40 x 3.5	23	139	23	185
1533000492	Brass RP valve 50 ball/GR/TW	50 x 4	35	154	35	224
1533000493	Brass RP valve 63 ball/GR/TW	63 x 4.5	39	161	39	239

RadoPress ball valve heating

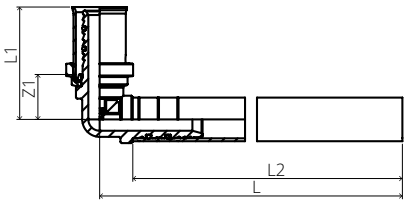




Item nr.	Description	Dimension	L1 mm	Z mm	L2 mm	L mm
1533000001	Brass RP valve 16 ball/RE	16 x 2	23	39	23	85
1533000054	Brass RP valve 20 ball/RE	20 x 2	23	40	23	86
1533000056	Brass RP valve 26 ball/RE	26 x 3	23	45	23	91
1533000494	Brass RP valve 32 ball/RE	32 x 3	23	106	23	152
1533000495	Brass RP valve 40 ball/RE	40 x 3.5	23	120	23	166
1533000496	Brass RP valve 50 ball/RE	50 x 4	35	126	35	196
1533000497	Brass RP valve 63 ball/RE	63 x 4.5	39	148	39	226

RadoPress radiator connection elbow

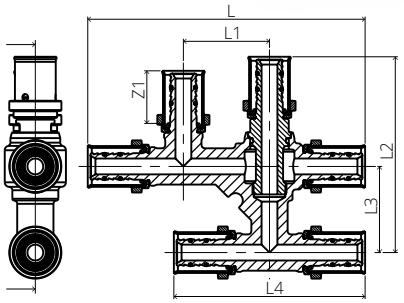




Item nr.	Description	Dimension	L1 mm	Z1 mm	L mm	L2 mm
1533000033	Brass RP adapter 16 90° RAD 15/L300 NI	16x2 - 15 mm	39	15	300	289
1533000034	Brass RP adapter 20 90° RAD 15/L300 NI	20x2 - 15 mm	41	17	300	287

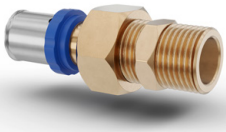
RadoPress crossing tee

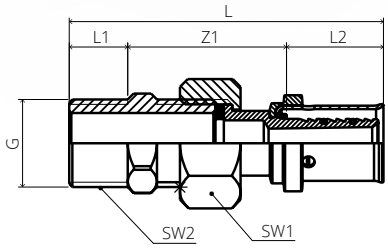




Item nr.	Description	Dimension	L mm	L1 mm	Z1 mm	L2 mm	L3 mm	L4 mm
1533000486	Brass RP crossing 16X6	16x2 – 16x2 – 16x2	122	38	23	86	38	84
1533000487	Brass RP crossing 20X2–16X4	20x2 – 16x2 – 16x2	122	38	23	86	38	84
1533000488	Brass RP crossing 20X4–16X2	20x2 – 16x2 – 20x2	122	38	23	86	38	84
1533000489	Brass RP crossing 20X6	20x2 – 20x2 – 20x2	122	38	23	86	38	84

RadoPress MT adapter set

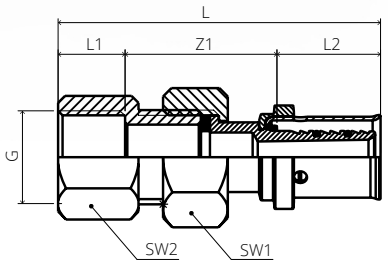




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	L mm	G "	SW1 mm	SW2 mm
1533000459	Brass RP adapter 16–MT½'' Set	16x2 – 1/2"	14	38	23	75	1/2	27	21
1533000460	Brass RP adapter 16–MT¾" Set	16x2 – 3/4"	15	37	23	75	3/4	32	27
1533000461	Brass RP adapter 20–MT½'' Set	20x2 – 1/2"	14	39	23	76	1/2	27	21
1533000462	Brass RP adapter 20–MT¾" Set	20x2 – 3/4"	15	38	23	76	3/4	32	32
1533000463	Brass RP adapter 26–MT¾" Set	26x3 – 3/4"	15	40	23	78	3/4	32	27
1533000464	Brass RP adapter 26–MT1" Set	26x3 – 1"	16	44	23	83	1	40	35
1533000465	Brass RP adapter 32–MT1" Set	32x3 – 1"	16	45	23	84	1	40	35
1533000466	Brass RP adapter 32–MT1¼" Set	32x3 – 1 1/4"	16	43	23	82	1 1/4	48	44

RadoPress FT adapter set

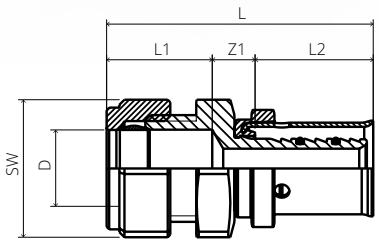




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	L mm	G "	SW1 mm	SW2 mm
1533000451	Brass RP adapter 16–FT½'' set	16x2 – 1/2"	15	34	23	72	1/2	27	24
1533000452	Brass RP adapter 16–FT¾" set	16x2 – 3/4"	16	33	23	72	3/4	32	31
1533000453	Brass RP adapter 20–FT½'' set	20x2 – 1/2"	15	35	23	73	1/2	27	24
1533000454	Brass RP adapter 20–FT¾" set	20x2 – 3/4"	16	34	23	73	3/4	32	31
1533000455	Brass RP adapter 26–FT¾" set	26x3 – 3/4"	16	35	23	74	3/4	32	31
1533000456	Brass RP adapter 26–FT1" set	26x3 – 1"	16	40	23	79	1	40	37
1533000457	Brass RP adapter 32–FT1" set	32x3 – 1"	16	42	23	81	1	40	37
1533000458	Brass RP adapter 32–FT1¼" set	32x3 – 1 1/4"	17	40	23	80	1 1/4	48	46

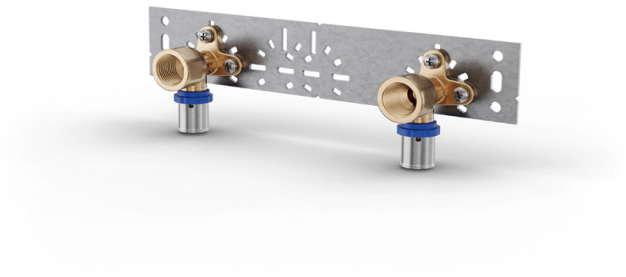
RadoPress adapter to copper pipe

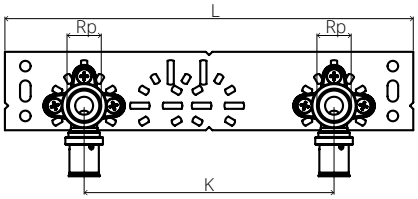




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm	D mm	SW mm
1533000467	Brass RP adapter 16–15 to CU	16x2 – 15	51	20	23	8	15	25
1533000468	Brass RP adapter 20–18 to CU	20x2 – 18	54	22	23	9	18	28
1533000469	Brass RP adapter 20–22 to CU	20x2 – 22	54	22	23	9	22	35
1533000470	Brass RP adapter 26–22 to CU	26x3 – 22	54	22	23	9	22	35
1533000471	Brass RP adapter 26–28 to CU	26x3 – 28	56	22	23	11	28	40
1533000472	Brass RP adapter 32–28 to CU	32x3 – 28	57	22	23	12	28	40
1533000473	Brass RP adapter 32–35 to CU	32x3 – 35	59	25	23	11	35	49
1533000474	Brass RP adapter 40–35 to CU	40x3.5 – 35	59	25	23	11	35	49

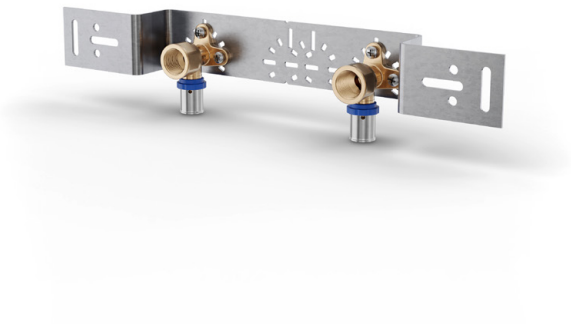
RadoPress tap elbow set

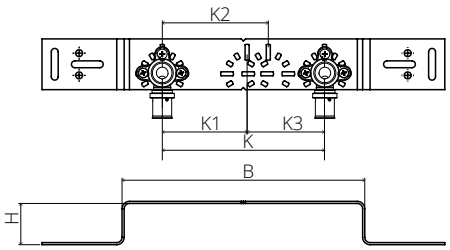




Item nr.	Description	Dimension	K mm	L mm	Rp "	Rp "
1533000193	Brass RP adapter 16–FT½" 90° DBL/plate153	16x2 – 1/2"	153	250	1/2	1/2
1533000481	Brass RP adapter 20–FT½" 90°DBL/plate153	20x2 – 1/2"	153	250	1/2	1/2

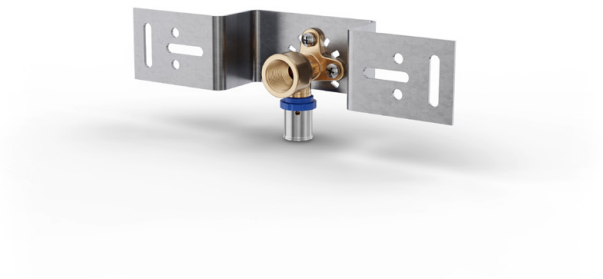
RadoPress tap elbow set bracket double

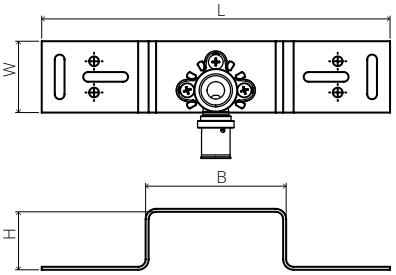




Item nr.	Description	Dimension	K mm	Rp "	Rp "	B mm	H mm
1533000483	Brass RP adapter 16-FT½" 90° DBL/bracket	16x2 – 1/2"	153	1/2	1/2	94	39
1533000485	Brass RP adapter 20-FT½" 90° DBL/bracket	20x2 – 1/2"	153	1/2	1/2	94	39

RadoPress tap elbow set bracket single





Item nr.	Description	Dimension	L mm	Rp "	B mm	H mm	W mm
1533000482	Brass RP adapter 16-FT½" 90° bracket	16x2 – 1/2"	228	1/2	94	39	48
1533000484	Brass RP adapter 20-FT½" 90° bracket	20x2 – 1/2"	228	1/2	94	39	48

RadoPress fittings

Lead-free

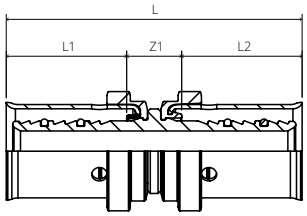


Technical data

Dimension [mm]	16 x 2.0	20 x 2.0	26 x 3.0	32 x 3.0	40 x 3.5	50 x 4.0	63 x 4.5
Fitting	Silicone bronze/ PPSU	Silicone bronze/ PPSU	Silicone bronze/ PPSU	Silicone bronze/ PPSU	Silicone bronze	Silicone bronze	Silicone bronze
Press jaw compatibility	TH/U	TH/U	TH/U	TH/U	TH	TH	TH
Leak-Before-Press	Yes	Yes	Yes	Yes	-	-	-

RadoPress coupler PPSU

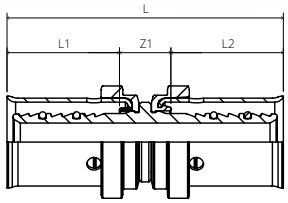




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm
1533000009	PPSU RP coupler 16 BK	16x2 – 16x2	57	23	23	11
1533000011	PPSU RP coupler 20 BK	20x2 – 20x2	57	23	23	11
1533000013	PPSU RP coupler 26 BK	26x3 – 26x3	57	23	23	11
1533000015	PPSU RP coupler 32 BK	32x3 – 32x3	58	23	23	12

RadoPress coupler

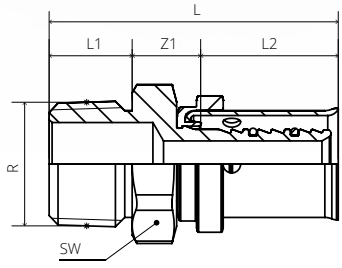




Item nr.	Description	Dimension	Material	L mm	L1 mm	L2 mm	Z1 mm
1533000729	Brass LF RP coupler 40	40x3.5 – 40x3.5	Brass LF	59	23	23	13
1533000732	Brass LF RP coupler 50	50x4 – 50x4	Brass LF	83	35	35	13
1533000735	Brass LF RP coupler 63	63x4.5 – 63x4.5	Brass LF	90	38,5	38,5	13

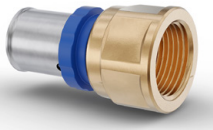
RadoPress adapter MT

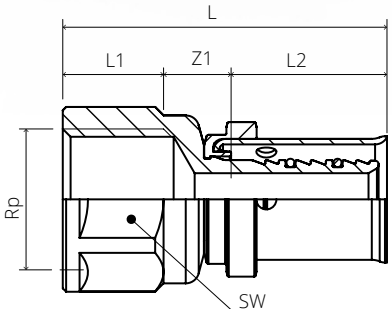




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm	SW mm	R "
1533000780	Brass LF RP adapter 16-MT½"	16x2 – 1/2"	48	14	23	11	24	1/2
1533000781	Brass LF RP adapter 20-MT½"	20x2 – 1/2"	48	14	23	11	24	1/2
1533000782	Brass LF RP adapter 20-MT¾"	20x2 – 3/4"	51	16	23	12	27	3/4
1533000783	Brass LF RP adapter 26-MT¾"	26x3 – 3/4"	51	16	23	12	27	3/4
1533000784	Brass LF RP adapter 26-MT1''	26x3 – 1"	57	20	23	14	36	1
1533000785	Brass LF RP adapter 32-MT1''	32x3 – 1"	57	20	23	14	36	1
1533000786	Brass LF RP adapter 32-MT1¼"	32x3 – 1 1/4"	59	22	23	14	46	1 1/4
1533000787	Brass LF RP adapter 40-MT1"	40x3.5 – 1"	57	20	23	14	36	1
1533000788	Brass LF RP adapter 40-MT1¼"	40x3.5 – 1 1/4"	59	22	23	14	46	1 1/4
1533000789	Brass LF RP adapter 50-MT1½"	50x4 – 1 1/2"	71	22	35	14	51	1 1/2
1533000790	Brass LF RP adapter 63-MT2"	63x4.5 – 2"	79	25	39	15	65	2

RadoPress adapter FT

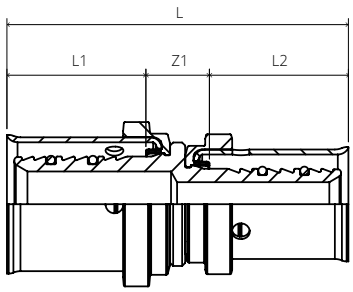




Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	Z1 mm	SW mm	Rp "
1533000791	Brass LF RP adapter 16-FT½"	16x2 – 1/2"	48	16	23	9	25	1/2
1533000792	Brass LF RP adapter 20-FT½"	20x2 – 1/2"	47	16	23	8	27	1/2
1533000793	Brass LF RP adapter 20-FT¾"	20x2 – 3/4"	50	17	23	10	32	3/4
1533000794	Brass LF RP adapter 26-FT¾"	26x3 – 3/4"	49	17	23	9	32	3/4
1533000795	Brass LF RP adapter 26-FT1"	26x3 – 1"	54	21	23	10	41	1
1533000796	Brass LF RP adapter 32-FT1"	32x3 – 1"	53	21	23	9	41	1
1533000797	Brass LF RP adapter 32-FT1¼"	32x3 – 1 1/4"	57	23	23	11	50	1 1/4
1533000798	Brass LF RP adapter 40-FT1"	40x3.5 – 1"	53	21	23	9	38	1
1533000799	Brass LF RP adapter 40-FT1¼"	40x3.5 – 1 1/4"	59	23	23	13	50	1 1/4
1533000800	Brass LF RP adapter 50-FT1½"	50x4 – 1 1/2"	67	23	35	9	55	1 1/2
1533000801	Brass LF RP adapter 63-FT2"	63x4.5 – 2"	72	27	39	6	65	2

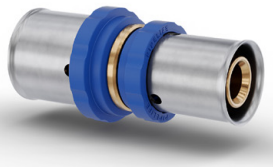
RadoPress reducer PPSU

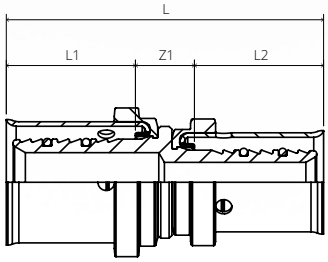




Item nr.	Description	Dimensions	L mm	L1 mm	L2 mm	Z1 mm
1533000010	PPSU RP reducer 20–16 BK	20x2 – 16x2	57	23	23	11
1533000012	PPSU RP reducer 26–20 BK	26x3 – 20x2	57	23	23	11
1533000014	PPSU RP reducer 32–26 BK	32x3 – 26x3	58	23	23	12

RadoPress reducer

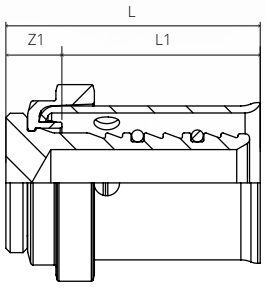




Item nr.	Description	Dimensions	L mm	L1 mm	L2 mm	Z1 mm
1533000724	Brass LF RP reducer 26-16	26x3 – 16x2	57	23	23	11
1533000725	Brass LF RP reducer 32-16	32x3 – 16x2	58	23	23	12
1533000726	Brass LF RP reducer 32-20	32x3 – 20x2	58	23	23	12
1533000727	Brass LF RP reducer 40-26	40x3.5 – 26x3	59	23	23	13
1533000728	Brass LF RP reducer 40-32	40x3.5 – 32x3	59	23	23	13
1533000730	Brass LF RP reducer 50-32	50x4 – 32x3	71	35	23	13
1533000731	Brass LF RP reducer 50-40	50x4 – 40x3.5	71	35	23	13
1533000733	Brass LF RP reducer 63-40	63x4.5 – 40x3.5	75	39	23	13
1533000734	Brass LF RP reducer 63-50	63x4.5 – 50x4	87	39	35	13

RadoPress plug

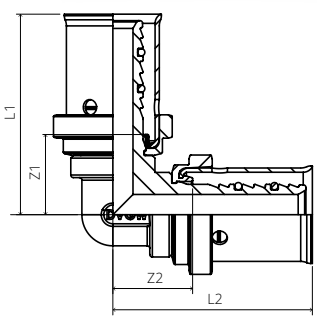




Item nr.	Description	Dimension	L mm	L1 mm	Z1 mm
1533000736	Brass LF RP plug 16	16x2	30	23	7
1533000737	Brass LF RP plug 20	20x2	30	23	7
1533000738	Brass LF RP plug 26	26x3	30	23	7
1533000739	Brass LF RP plug 32	32x3	31	23	8

RadoPress elbow PPSU

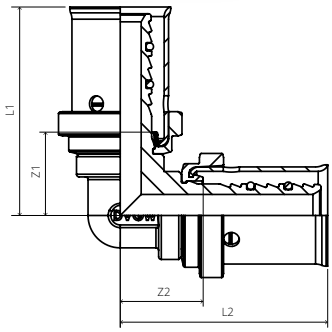




Item nr.	Description	Dimension	Z1 mm	L1 mm	Z2 mm	L2 mm
1533000019	PPSU RP elbow 16 90° BK	16x2 – 16x2	16	39	16	39
1533000020	PPSU RP elbow 20 90° BK	20x2 – 20x2	18	41	18	41
1533000021	PPSU RP elbow 26 90° BK	26x3 – 26x3	18	41	18	41
1533000022	PPSU RP elbow 32 90° BK	32x3 – 32x3	24	47	24	47

RadoPress elbow

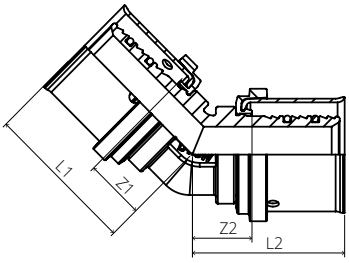




Item nr.	Description	Dimension	Z1 mm	L1 mm	Z2 mm	L2 mm
1533000814	Brass LF RP elbow 40 90°	40x3.5 – 40x3.5	26	49	26	49
1533000815	Brass LF RP elbow 50 90°	50x4 – 50x4	32	67	32	67
1533000816	Brass LF RP elbow 63 90°	63x4.5 – 63x4.5	43	81	43	81

RadoPress elbow 45°

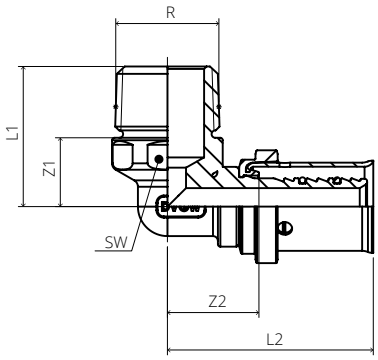




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm
1533000825	Brass LF RP elbow 26 45°	26x3 – 26x3	38	15	38	15
1533000826	Brass LF RP elbow 32 45°	32x3 – 32x3	39	16	39	16
1533000827	Brass LF RP elbow 40 45°	40x3.5 – 40x3.5	45	22	45	22
1533000828	Brass LF RP elbow 50 45°	50x4 – 50x4	57	22	57	22
1533000829	Brass LF RP elbow 63 45°	63x4.5 – 63x4.5	62.5	24	62.5	24

RadoPress elbow adapter MT

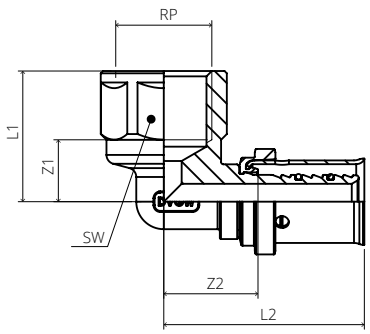




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	SW mm	R "
1533000817	Brass LF RP adapter 16-MT½" 90°	16x2 – 1/2"	30	16	41	18	22	1/2
1533000818	Brass LF RP adapter 20-MT½" 90°	20x2 – 1/2"	32	18	42	19	22	1/2
1533000819	Brass LF RP adapter 20-MT¾" 90°	20x2 – 3/4"	34	18	44	21	27	3/4
1533000820	Brass LF RP adapter 26-MT¾" 90°	26x3 – 3/4"	34	18	44	21	27	3/4
1533000821	Brass LF RP adapter 32-MT1" 90°	32x3 – 1"	45	25	48	25	34	1
1533000822	Brass LF RP adapter 40-MT1¼" 90°	40x3.5 – 1 1/4"	56	34	53	30	43	1 1/4

RadoPress elbow adapter FT

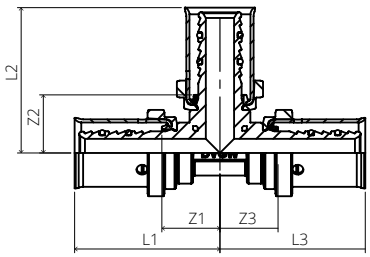




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	SW mm	RP "
1533000830	Brass LF RP adapter 16-FT½" 90°	16x2 – 1/2"	29	13	45	22	27	1/2
1533000831	Brass LF RP adapter 20-FT½" 90°	20x2 – 1/2"	31	15	45	22	27	1/2
1533000832	Brass LF RP adapter 20-FT¾" 90°	20x2 – 3/4"	33	16	48	25	33	3/4
1533000833	Brass LF RP adapter 26-FT¾" 90°	26x3 – 3/4"	34	17	48	25	33	3/4
1533000834	Brass LF RP adapter 32-FT1" 90°	32x3 – 1"	42	21	53	30	41	1
1533000835	Brass LF RP adapter 40-FT1¼" 90°	40x3.5 – 1 1/4"	50	27	58	35	50	1 1/4

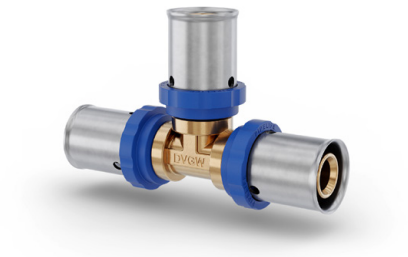
RadoPress tee PPSU

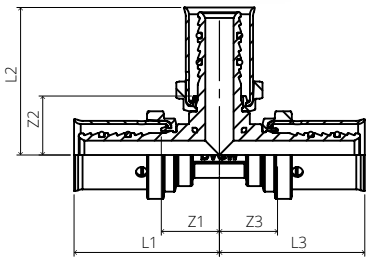




Item nr.	Description	Dimension	Z1 mm	L1 mm	Z2 mm	L2 mm	Z3 mm	L3 mm
1533000005	PPSU RP tee 16 BK	16x2 – 16x2 – 16x2	16	39	16	39	16	39
1533000016	PPSU RP tee 20 BK	20x2 – 20x2 – 20x2	18	41	18	41	18	41
1533000017	PPSU RP tee 26 BK	26x3 – 26x3 – 26x3	18	41	18	41	18	41
1533000018	PPSU RP tee 32 BK	32x3 – 32x3 – 32x3	24	47	24	47	24	47

RadoPress tee

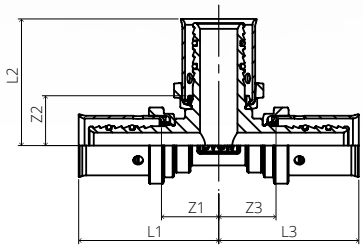




Item nr.	Description	Dimension	Z1 mm	L1 mm	Z2 mm	L2 mm	Z3 mm	L3 mm
1533000749	Brass LF RP tee 40	40x3.5 – 40x3.5 – 40x3.5	26	49	26	49	26	49
1533000755	Brass LF RP tee 50	50x4 – 50x4 – 50x4	32	67	32	67	32	67
1533000758	Brass LF RP tee 63	63x4.5 – 63x4.5 – 63x4.5	43	81	43	81	43	81

RadoPress tee middle oulet large PPSU

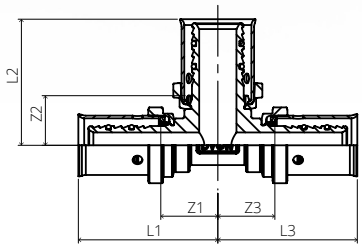




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000630	PPSU RP tee 16-20-16 BK	16x2 – 20x2 – 16x2	40	17	38	15	40	17
1533000634	PPSU RP tee 20-26-20 BK	20x2 – 26x3 – 20x2	43	20	41	18	43	20

RadoPress tee middle oulet large

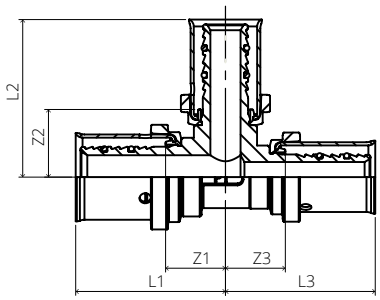




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000740	Brass LF RP tee 26-32-26	26x3 – 32x3 – 26x3	45	22	43	20	45	22

RadoPress tee reduced PPSU

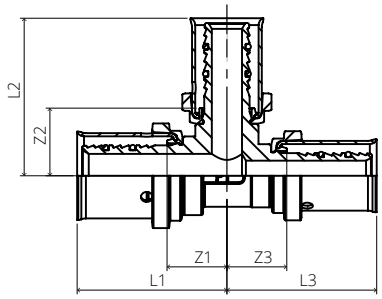




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000631	PPSU RP tee 20-16-16 BK	20x2 – 16x2 – 16x2	38	15	40	17	39	16
1533000633	PPSU RP tee 20-20-16 BK	20x2 – 20x2 – 16x2	40	17	40	17	41	18
1533000635	PPSU RP tee 26-16-20 BK	26x3 – 16x2 – 20x2	39	16	43	20	38	15
1533000637	PPSU RP tee 26-20-16 BK	26x3 – 20x2 – 16x2	41	18	44	21	39	16
1533000638	PPSU RP tee 26-20-20 BK	26x3 – 20x2 – 20x2	41	18	43	20	40	17
1533000640	PPSU RP tee 26-26-16 BK	26x3 – 26x3 – 16x2	44	21	43	20	43	20
1533000641	PPSU RP tee 26-26-20 BK	26x3 – 26x3 – 20x2	44	21	43	20	43	20
1533000644	PPSU RP tee 32-26-26 BK	32x3 – 26x3 – 26x3	44	21	47	24	43	20

RadoPress tee reduced

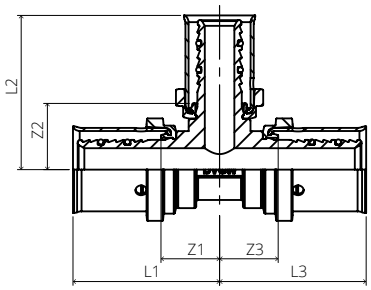




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000741	Brass LF RP tee 32-20-26	32x3 – 20x2 – 26x3	41	18	47	24	41	18
1533000742	Brass LF RP tee 32-32-26	32x3 – 32x2 – 26x3	47	24	47	24	46	23
1533000744	Brass LF RP tee 40-26-32	40x3.5 – 26x3 – 32x3	43	20	49	26	42	19
1533000746	Brass LF RP tee 40-32-32	40x3.5 – 32x3 –32x3	47	24	50	27	46	23
1533000748	Brass LF RP tee 40-40-32	40x3.5 – 40x3.5 – 32x3	49	26	49	26	49	26
1533000752	Brass LF RP tee 50-40-40	50x4 – 40x3.5 – 40x3.5	61	26	54	31	50	27
1533000754	Brass LF RP tee 50-50-40	50x4 – 50x4 – 40x3.5	67	32	67	32	56	33

RadoPress tee middle outlet reduced PPSU

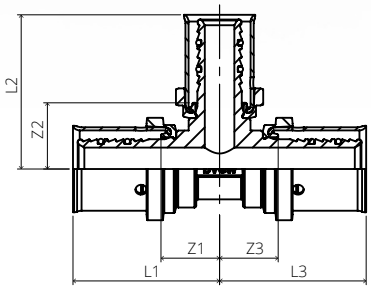




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000632	PPSU RP tee 20-16-20 BK	20x2 – 16x2 – 20x2	39	16	43	20	39	16
1533000636	PPSU RP tee 26-16-26 BK	26x3 – 16x2 – 26x3	39	16	44	21	39	16
1533000639	PPSU RP tee 26-20-26 BK	26x3 – 20x2 – 26x3	41	18	44	21	41	18
1533000642	PPSU RP tee 32-16-32 BK	32x3 – 16x2 – 32x3	39	16	47	24	39	16
1533000643	PPSU RP tee 32-20-32 BK	32x3 – 20x2 – 32x3	41	18	47	24	41	18
1533000645	PPSU RP tee 32-26-32 BK	32x3 – 26x3 – 32x3	42	19	47	24	42	19

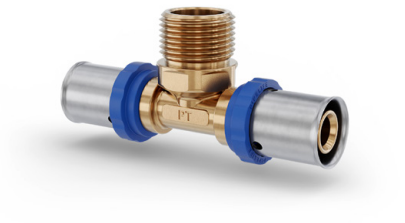
RadoPress tee middle outlet reduced

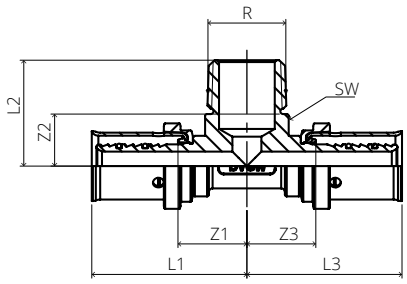




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
1533000743	Brass LF RP tee 40-20-40	40x3.5 – 20x2 – 40x3.5	41	18	49	26	41	18
1533000745	Brass LF RP tee 40-26-40	40x3.5 – 26x3 – 40x3.5	43	20	49	26	43	20
1533000747	Brass LF RP tee 40-32-40	40x3.5 – 32x3 – 40x3.5	46	23	49	26	46	23
1533000750	Brass LF RP tee 50-26-50	50x4 – 26x3 – 50x4	55	20	56	33	55	20
1533000751	Brass LF RP tee 50-32-50	50x4 – 32x3 – 50x4	58	23	56	33	58	23
1533000753	Brass LF RP tee 50-40-50	50x4 – 40x3.5 – 50x4	62	27	56	33	62	27
1533000756	Brass LF RP tee 63-40-63	63x4.5 – 40x3.5 – 63x4.5	66	27	62	39	66	27
1533000757	Brass LF RP tee 63-50-63	63x4.5 – 50x4 – 63x4.5	71	32	72	37	71	32

RadoPress tee MT

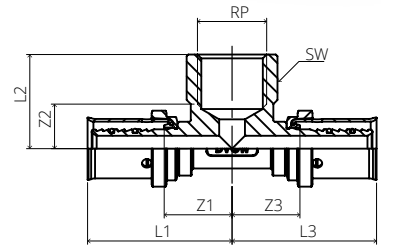




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm	R "	SW mm
1533000759	Brass LF RP tee 16-MT½"-16	16x2 – 1/2" – 16x2	42	19	30	16	42	19	1/2"	21
1533000760	Brass LF RP tee 20-MT½"-20	20x2 – 1/2" – 20x2	42	19	32	18	42	19	1/2"	21
1533000761	Brass LF RP tee 20-MT¾"-20	20x2 – 3/4" – 20x2	45	22	34	18	45	22	3/4"	27
1533000762	Brass LF RP tee 26-MT½"-26	26x3 – 1/2" – 26x3	41	18	34	18	41	18	1/2"	21
1533000763	Brass LF RP tee 26-MT¾"-26	26x3 – 3/4" – 26x3	44	21	36	20	44	21	3/4"	27
1533000764	Brass LF RP tee 26-MT1"-26	26x3 – 1" – 26x3	49	26	42	22	49	26	1"	34
1533000765	Brass LF RP tee 32-MT¾"-32	32x3 – 3/4" – 32x3	45	22	40	24	45	22	3/4"	27
1533000766	Brass LF RP tee 32-MT1"-32	32x3 – 1" – 32x3	49	26	45	25	49	26	1"	34
1533000110	Brass RP tee 40–MT1"–40	40x4.5 – 1" – 40x4.5	49	26	48	28	49	26	1"	34
1533000111	Brass RP tee 50–MT1¼"–50	50x4 – 1 1/4" – 50x4	65	30	62	40	65	30	1 1/4"	43

RadoPress tee FT

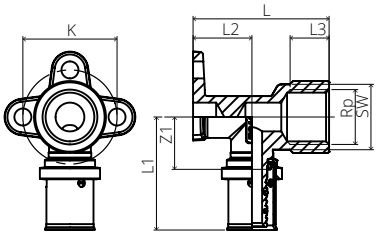




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm	Rp "	SW mm
1533000768	Brass LF RP tee 16-FT½"-16	16x2 – 1/2" – 16x2	46	23	30	14	46	23	1/2"	27
1533000769	Brass LF RP tee 20-FT½"-20	20x2 – 1/2" – 20x2	46	23	30	14	46	23	1/2"	27
1533000770	Brass LF RP tee 20-FT¾"-20	20x2 – 3/4" – 20x2	49	26	33	16	49	26	3/4"	33
1533000771	Brass LF RP tee 26-FT½"-26	26x3 – 1/2" – 26x3	46	23	32	16	46	23	1/2"	27
1533000772	Brass LF RP tee 26-FT¾"-26	26x3 – 3/4" – 26x3	49	26	34	17	49	26	3/4"	33
1533000773	Brass LF RP tee 32-FT½"-32	32x3 – 1/2" – 32x3	46	23	35	19	46	23	1/2"	27
1533000774	Brass LF RP tee 32-FT¾"-32	32x3 – 3/4" – 32x3	49	26	38	21	49	26	3/4"	33
1533000775	Brass LF RP tee 32-FT1"-32	32x3 – 1" – 32x3	53	30	43	22	53	30	1"	41
1533000776	Brass LF RP tee 40-FT1"-40	40x4.5 – 1" – 40x4.5	53	30	44	23	53	30	1"	41
1533000777	Brass LF RP tee 40-FT1¼"-40	40x4.5 – 1 1/4" – 40x4.5	58	35	49	26	58	35	1 1/4"	50
1533000778	Brass LF RP tee 50-FT1¼"-50	50x4 – 1 1/4" – 50x4	69	34	50	27	69	34	1 1/4"	50
1533000779	Brass LF RP tee 50-FT1½"-50	50x4 – 1 1/2" – 50x4	72	37	52	29	72	37	1 1/2"	56

RadoPress tap elbow

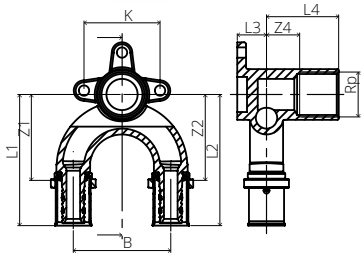




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	L3 mm	L mm	K mm	Rp "	SW mm
1533000836	Brass LF RP adapter 16-FT½" 90° TAP78	16x2 – 1/2" – 78mm	46	23	22.5	14	78	36	1/2"	27
1533000837	Brass LF RP adapter 20-FT½" 90° TAP78	20x2 – 1/2" – 78mm	46	23	22.5	14	78	36	1/2"	27
1533000838	Brass LF RP adapter 16-FT½" 90° TAP39	16x2 – 1/2" – 39mm	46	23	17.5	14	39	36	1/2"	27
1533000839	Brass LF RP adapter 16-FT½" 90° TAP52	16x2 – 1/2" – 52mm	46	23	22.5	14	52	36	1/2"	27
1533000840	Brass LF RP adapter 20-FT½" 90° TAP52	20x2 – 1/2" – 52mm	46	23	22.5	14	52	36	1/2"	27
1533000841	Brass LF RP adapter 20-FT¾" 90° TAP52	20x2 – 3/4" – 52mm	48	25	22.5	16	52	36	3/4"	33
1533000842	Brass LF RP adapter 26-FT¾" 90° TAP52	26x2 – 3/4" – 52mm	48	25	23	16	52	36	3/4"	33

RadoPress U-tap elbow

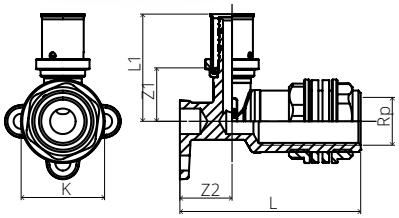




Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	Z2 mm	B mm	K mm	Rp "	L3 mm	L4 mm	Z4 mm
1533000843	Brass LF RP adapter 16-FT½" 90° U-tap	16x2 – 1/2" – 52mm	67	44	67	44	50	39	1/2"	15	37	17
1533000844	Brass LF RP adapter 20-FT½" 90° U-tap	20x2 – 1/2" – 52mm	67	44	67	44	50	39	1/2"	15	37	17

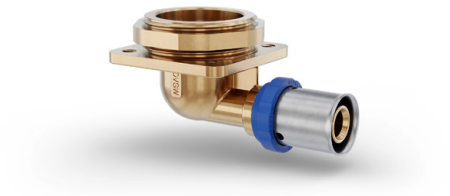
RadoPress tap elbow wall duct

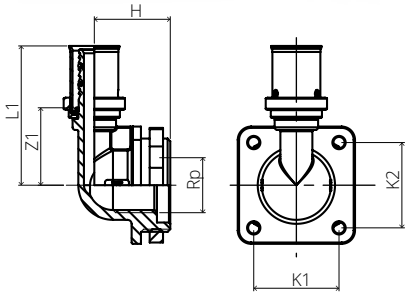




Item nr.	Description	Dimension	L1 mm	Z1 mm	L mm	Z2 mm	Rp „	K mm
1533000173	Brass LF RP adapter 16-FT½“ 90° wall	16x2 – 1/2“	46	23	78	22.5	1/2	36
1533000174	Brass LF RP adapter 20-FT½“ 90° wall	16x2 – 1/2“	46	23	78	22.5	1/2	36

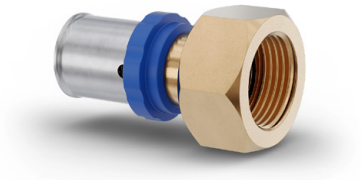
RadoPress adapter cistern

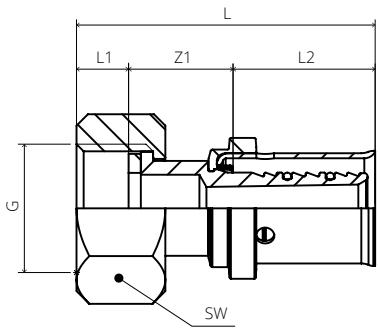




Item nr.	Description	Dimension	L1 mm	Z1 mm	H mm	Rp "	K1 mm	K2 mm
1533000767	Brass LF RP adapter 16-FT½" 90° cistern	16x2 – 1/2"	52	29	28.5	1/2	32	32

RadoPress swivel nut





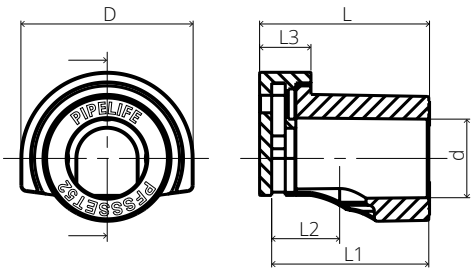
Item nr.	Description	Dimension	L1 mm	Z1 mm	L2 mm	L mm	G "	SW mm
1533000802	Brass LF RP adapter 16-FT½" nut	16x2 – 1/2"	9	17	23	49	1/2	27
1533000803	Brass LF RP adapter 16-FT¾" nut	16x2 – 3/4"	8	15	23	46	3/4	32
1533000804	Brass LF RP adapter 20-FT½" nut	20x2 – 1/2"	9	17	23	49	1/2	27
1533000805	Brass LF RP adapter 20-FT¾" nut	20x2 – 3/4"	9	17	23	49	3/4	32
1533000806	Brass LF RP adapter 20-FT1'' nut	20x2 – 1"	10	19	23	53	1	40
1533000807	Brass LF RP adapter 26-FT¾" nut	26x3 – 3/4"	8	18	23	49	3/4	32
1533000808	Brass LF RP adapter 26-FT1'' nut	26x3 – 1"	10	21	23	54	1	40
1533000809	Brass LF RP adapter 32-FT1" nut	32x3 – 1"	10	19	23	53	1	40
1533000810	Brass LF RP adapter 32-FT1¼" nut	32x3 – 1 1/4"	10	19	23	53	1 1/4	48
1533000811	Brass LF RP adapter 32-FT1½" nut	32x3 – 1 1/2"	10	20	23	53	1 1/2	54
1533000812	Brass LF RP adapter 40-FT1¼" nut	40x3.5 – 1 1/4"	10	22	23	55	1 1/4	48
1533000813	Brass LF RP adapter 40-FT1½" nut	40x3.5 – 1 1/2"	10	20	23	53	1 1/2	52

Accessories



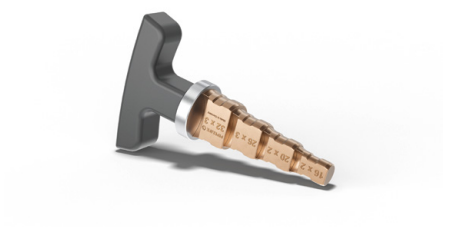
RadoPress sound protection set





Item nr.	Description	Dimension	L mm	L1 mm	L2 mm	L3 mm	D mm	d mm
1533000003	RP sound insulator ½" BK TAP52	52mm – 1/2"	56	52	22.5	17	57	26
1533000004	RP sound insulator ½" BK TAP78	78mm – 1/2"	82	78	22.5	17	57	26

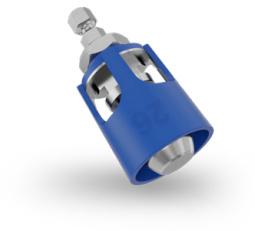
RadoPress calibrator



Item nr.	Description	Dimension
1533000499	Calibrator RP 32–26–20–16	32–26–20–16



Item nr.	Description	Dimension
1533000498	Calibrator RP 26–20–16 TRIO	26–20–16

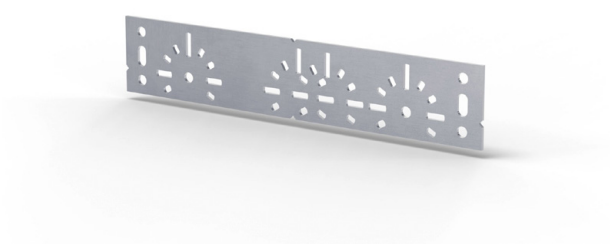


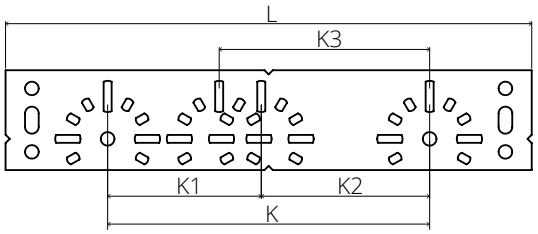
Item nr.	Description	Dimension
1533000860	Steel calibrator RP 16	16
1533000862	Steel calibrator RP 20	20
1533000863	Steel calibrator RP 26	26
1533000864	Steel calibrator RP 32	32
1533000861	Steel calibrator RP set 16-32	16/20/26/32



Item nr.	Description	Dimension
1533000623	Steel RP calibrator 40	40
1533000624	Steel RP calibrator 50	50
1533000625	Steel RP calibrator 63	63

RadoPress mounting plate

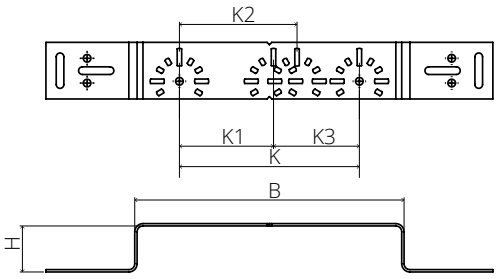




Item nr.	Description	Dimension	L mm	K mm	K1 mm	K2 mm	K3 mm
1533000023	Steel RP plate 73/80/100/153	250 / 48 mm	250	153	73	80	100

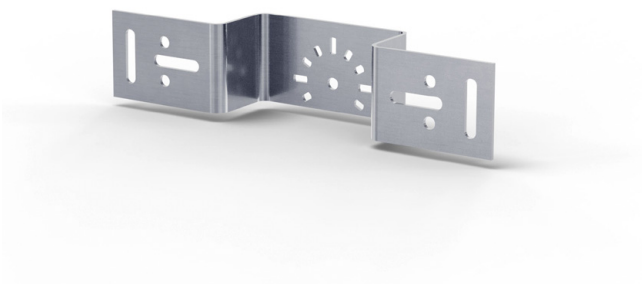
RadoPress mounting bracket

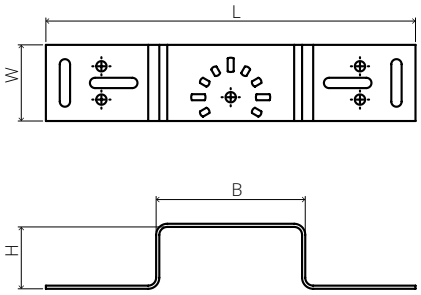




Item nr.	Description	Dimension	B mm	H mm	K mm	K1 mm	K2 mm	K3 mm
1533000024	Steel RP bracket 73/80/100/153	380 mm	229	39	153	80	100	73

RadoPress mouting bracket single

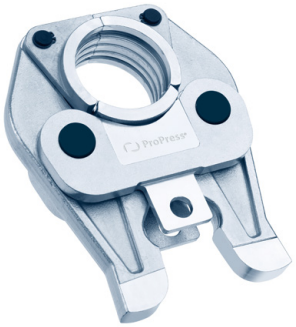




Item nr.	Description	Dimension	B mm	H mm	W mm	L mm
1533000025	Steel RP bracket L228	228 mm	94	39	48	228

RadoPress press-jaw cutter





Description	Dimension
32kN Machine	
Steel RP press jaw TH 16 32kN	16
Steel RP press jaw TH 20 32kN	20
Steel RP press jaw TH 26 32kN	26
Steel RP press jaw TH 32 32kN	32
Steel RP press jaw TH 40 32kN	40
Steel RP press jaw TH 50 32kN 3SEG	50
Steel RP press jaw TH 63 32kN 3SEG	63



Description	Dimension
19kN Machine	
Steel RP press jaw TH 16 19kN	16
Steel RP press jaw TH 20 19kN	20
Steel RP press jaw TH 26 19kN	26
Steel RP press jaw TH 32 19kN	32
Steel RP press jaw TH 40 19kN	40

RadoPress cutter







Description
Internal
Steel RP multilayer cutter 16-26 BL
Steel cutter 3-45
Steel cutter 6-75

RadoPress bending spring





Item nr.	Description	Dimension
	External	
1533001238	Steel RP bending spring 16X2MM EXT	16x2.0
1533001239	Steel RP bending spring 20X2MM EXT	20x2.0
1533001240	Steel RP bending spring 26X3MM EXT	26x3.0

Item nr.	Description	Dimension
	Internal	
1533001241	Steel RP bending spring 16X2MM INT	16x2.0
1533001242	Steel RP bending spring 20X2MM INT	20x2.0
1533001243	Steel RP bending spring 26X3MM INT	26x3.0



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