

Specialist Water Supply Systems
PP-R pipe system



Ensure reliability

Specialist Water Supply Systems



Protecting the source

Water is the source for life and comfort. Creating a pipe system for supplying water is now more of an accomplishment than ever.

Today, your clients are more demanding and end-user expectations are higher, while legislative and environmental compliance place additional pressures on construction teams.

Increasingly, water supply systems are called upon to go beyond basic supply to deal with drinking water, hot tap water and sanitary applications requiring special treatment.

This is Specialist Water Supply.

Wefatherm believes that acknowledging the specific challenges you face - and identifying the dedicated expertise and resources that are required to overcome them - is the first step to protect this source.

Together we can help you to ensure reliability.



Maintaining your reputation

As a Consulting Engineer, your reputation depends on ensuring the water supply system you want installed delivers the expected quality and comfort.

When installing water supply systems, your position near the completion of a project increases the pressure on getting the job done on time and on budget.

Through specialist water supply Wefatherm offers you the reassurance of providing the right solution to tackle even the most complex challenges and realise the outcome you want - without being a slave to the services or limited by the cost of high performance components.

For confidence, not compromise.



Demand a specialist

Today the buildings are getting complex, making the (drinking) water systems ever more complex. From multi story buildings, offices to single occupant houses, specialist water supply is more than a pipe system. To make today's complex installations demands a combination of cost-effective pipe design, applied technology and dedicated training.

The Wefatherm PP-R pipe systems can be applied for typical domestic water supply systems:



Drinking water

Drinking water is considered fresh water up to a temperature of 25°C for drinking and preparing food.



Hot tap water

Hot tap water is heated drinking water up to a temperature of 60°C.



Sanitary applications

For domestic appliances, such as sanitary flush systems, washing and irrigation, drinking water quality is not required.



Ensure reliability

Wefatherm PP-R water supply systems have been used for many years in areas of application where the pipe system has to meet high standards of durability and reliability. Numerous prestige buildings have been equipped with a Wefatherm system. Over 25 years of experience in water supply systems, focussing on innovation, quality and dedication: that is Wefatherm GmbH.



Leading the way through innovation

Wefatherm has always been focussed on innovation and quality, making 'made in Germany' more than just a phrase by really living up to it. Offering a full range PP-R system and our latest development of injection moulded large bore fittings are the living proof of this.

Quality products

The Wefatherm PP-R pipe system is developed and manufactured within an ISO 9001 Quality Assurance system and complies with the ISO15874 and DIN8077/8078 standards. And they are certified by DVGW and carries numerous international recognised approvals.



Quality people

With a clear focus on meeting the demanding specifications of consulting engineers, the Wefatherm team is a key element in the successful delivery of our knowledge through consultation, support processes and the application of leading technologies.

Wefatherm is focused on delivering quality all the way from product to support.



The Wefatherm factory is situated in Wunstorf, a town in the district of Hannover, in Lower Saxony, Germany. To the west of the city is Lake 'Steinhuder Meer', making Wunstorf and Wefatherm a perfect match: both making more of water and its quality.



and quality

Quality systems

Naturally, you want peace of mind after the design and installation of your water supply systems. Wefatherms' combination of up-front training of consulting engineers and installers, together with on-site project support and on-site inspections (if required), means that working with Wefatherm provides you with maximum quality installed.

Wefatherm water supply systems ensure:

- hygienic reliable drinking water
- long term undisrupted system use
- avoiding nuisance like noise
- preventing loss of water or wasting energy

Wefatherm offers two systems for floor distribution, riser mains and connections to risers.



PP-R pipe system d20-125 mm



PP-RCT pipe system d20-315 mm

Setting the standard

PP-R

For more than 30 years, Polypropylene Random Copolymer (PP-R) has been applied successfully for hot and cold water applications in countries worldwide. The combination of properties such as resistance to internal pressure, flexibility and impact have made PP-R the material of choice for a safe and reliable long-lasting installations. No wonder that PP-R has been continuously replacing traditional materials like copper and galvanized steel over the last decades.

Benefits of PP-R:

- Service life according to tests performed under ISO 15874
- No contact corrosion when exposed to iron particles
- Taste and odor neutral
- Bacteriologically neutral
- Fast and easy installation
- Entire plastic systems available
- Good chemical resistance
- Low tendency to incrustations



PP-RCT

PP-RCT is the abbreviation for Polypropylene Random Copolymer with modified crystalline structure and enhanced temperature performance. The special fine and homogeneous crystal structure of the PP-RCT material improves the mechanical characteristics of the material.

Benefits of PP-RCT:

- PP-RCT material has an improved stress resistance at elevated temperatures with a minimum required strength (MRS) value of 11,2 MPa. And more importantly, the critical required strength (CRS) at 70°C and 50 years is 5 MPa compared to 3,2 MPa for standard PP-R. PP-RCT pipe systems can be operated at higher operating pressures, ranging from factor 1,25 to 2,5 at temperatures >60°C.
- The improved long-term strength of the PP-RCT material leads to a more economic set of dimensions of the pipe system. It enables designers to select thinner wall pipes with an increased flow capacity or smaller diameter pipes.



Lighter pipe systems are easier and quicker to install.

- Not least important, the substantially lower material usage provides an additional contribution to the conservation of resources supporting a sustainable environment.

Temp. (°C)	σ		MRS factor
	PP-R N/mm ²	PP-RCT N/mm ²	
10	11,5	13,3	1,16
20	9,7	11,6	1,19
30	8,2	10,0	1,21
40	6,9	8,5	1,23
50	5,8	7,3	1,25
60	4,9	6,1	1,26
65	4,1	5,6	1,38
70	3,2	5,1	1,58
75 *	2,6	4,7	1,81
80 *	2,1	4,3	2,05
85 *	1,7	3,9	2,28
90 *	1,4	3,5	2,54
95 *	1,1	3,2	2,80

(* life cycle <50 years)



The right choice

For every water supply system, temperature and pressure Wefatherm offers the right type of pipe.

Standard pipe

This is the traditional mono layer pipe as described in the standards ISO 15874 and DIN8077/8078. The international product certification applies on this pipe wall type.

- PP-R available in SDR 6 - 7,4 - 11
- PP-RCT available in SDR 7,4 - 11
- Thermal expansion factor 0,150 mm/m.K

Marking:

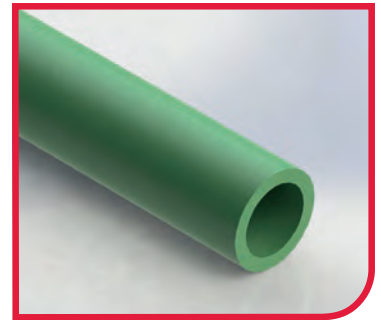
Green color for hot and cold water

Lilac color for reused water

Mono layer

PP-R d20-125 mm

PP-RCT d20-315 mm



Fiber pipe

This is a three-layer pipe of which the middle layer is enforced with glass fiber. The production of these pipes is externally monitored by the South-German Plastics Centre (SKZ), Würzburg.

- PP-R available in SDR 7,4
- PP-RCT available in SDR 11
- Thermal expansion factor 0,035 mm/m.K
- Less bracketing
- Higher thermal stability

Marking

4 red stripes

External layer

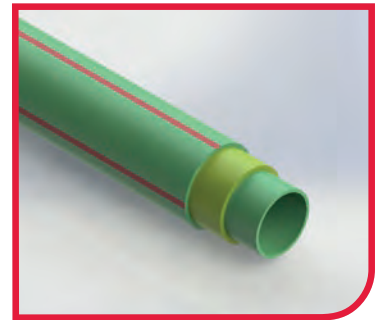
PP-R/PP-RCT

Middle layer

Glass fiber compound

Inner layer

PP-R/PP-RCT



Stabi pipe

This is a traditional mono layer pipe with an additional encapsulated perforated aluminium layer. The function of the perforated aluminium layer is to limit the thermal expansion of the pipe. It is no oxygen barrier. The fully encapsulated aluminium layer is additional to the traditional standard pipe. Before welding the additional aluminium layer needs to be removed. For above ground outdoor application we provide the stabi UV pipe with outer layer of UV resistant black PE.

- PP-R available in SDR 7,4
- Thermal expansion factor 0,030 mm/m.K
- Less bracketing
- Suitable for hot water lines and mains
- Black UV resistant pipe for outdoor application

Marking

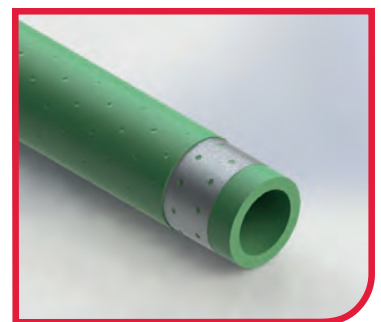
Many shallow dimples

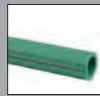
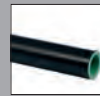
Standard pipe

PP-R

External layer

Encapsulated aluminium



Material	PP-R	PP-R	PP-R	PP-RCT	PP-RCT	PP-R	PP-RCT	PP-R	PP-R	PP-RCT
Type	Standard	Standard	Standard	Standard	Standard	Fiber	Fiber	Stabi	Stabi-UV	Fiber
Colour	Green	Green	Green	Green	Green	Green	Green	Green	Black	Gray
										
SDR	6	7,4	11	7,4	11	7,4	11	7,4	7,4	11
20	●	●	●	●		●		●	●	●
25	●	●	●	●		●		●	●	●
32	●	●	●	●		●		●	●	●
40	●	●	●	●		●		●	●	●
50	●	●	●	●		●		●	●	●
63	●	●	●	●		●		●	●	●
75	●	●	●	●		●		●	●	●
90	●	●	●	●		●		●		●
110	●	●	●	●		●		●		●
125	●	●	●	●		●				●
160					●		●			●
200					●		●			
250					●		●			
315					●					

ISO 15874, Maximum Operating Pressure MOP

Class 1	10	8	6	10	6	8	6	8	8	6
Class 2	8	6	4	10	6	6	6	6	6	6
Class 4	10	10	6	10	6	10	6	10	10	6
Class 5	6	6		8	4	6	4	6	6	4

Class 1 hot water supply 60°C - class 2 hot water supply 70°C - class 4 low temperature heating 60°C - class 5 high temperature heating 80°C.

DIN 8077, Maximum Operating Pressure MOP

SF 1,50-20°C	25,7	20,4	12,9	24,3	15,3	20,4	15,3	20,4	20,4	15,3
SF 1,50-70°C	8,5	6,7	4,2	10,7	6,8	6,7	6,8	6,7	6,7	6,8
SF 1,25-20°C	30,9	24,5	15,4	29,2	18,4	24,5	18,4	24,5	24,5	18,4
SF 1,25-70°C	10,2	8,1	5,1	12,9	8,1	8,1	8,1	8,1	8,1	8,1
PN ¹⁾	20	16	10			16		16	16	

SF = Safety (Design) Factor - permanent temperature over 50 years Design Lifetime

¹⁾ PN = Pressure Nominal based on DIN8077:1989 - 50yrs - 20°C - SF2,0 - water



Pipes PP-R

Pipe SDR 6 L = 4 m

dxe	Art. Nr.
20x 3,4	5155 20002
25x 4,2	5155 20003
32x 5,4	5155 20004
40x 6,7	5155 20005
50x 8,3	5155 20006
63x10,5	5155 20007
75x12,5	5155 20008
90x15,0	5155 20009
110x18,3	5155 20010
125x20,8	5155 20011

Pipe SDR 7,4 L = 4 m

dxe	Art. Nr.
20x 2,8	5155 20101
25x 3,5	5155 20102
32x 4,4	5155 20103
40x 5,5	5155 20104
50x 6,9	5155 20105
63x 8,6	5155 20106
75x10,3	5155 20107
90x12,3	5155 20108
110x15,1	5155 20109
125x17,1	5155 20110

Pipe SDR 11 L = 4 m

dxe	Art. Nr.
20x 1,9	5155 20050
25x 2,3	5155 20051
32x 2,9	5155 20052
40x 3,7	5155 20053
50x 4,6	5155 20054
63x 5,8	5155 20055
75x 6,8	5155 20056
90x 8,2	5155 20057
110x10,0	5155 20058
125x11,4	5155 20059

Pipe fiber SDR 7,4 L = 4 m

dxe	Art. Nr.
20x 2,8	5155 20150
25x 3,5	5155 20151
32x 4,4	5155 20152
40x 5,5	5155 20153
50x 6,9	5155 20154
63x 8,6	5155 20155
75x10,3	5155 20156
90x12,3	5155 20157
110x15,1	5155 20158
125x17,1	5155 20159

Pipe stabi SDR 7,4 L = 4 m

dxe	Art. Nr.
20x 2,8	5155 20301
25x 3,5	5155 20302
32x 4,4	5155 20303
40x 5,5	5155 20304
50x 6,9	5155 20305
63x 8,6	5155 20306
75x10,3	5155 20307
90x12,3	5155 20308
110x15,1	5155 20309

Pipe stabi UV SDR 7,4 L = 4 m

dxe	Art. Nr.
20x 2,8	5155 20370
25x 3,5	5155 20371
32x 4,4	5155 20372
40x 5,5	5155 20373
50x 6,9	5155 20374
63x 8,6	5155 20375
75x10,3	5155 20376

Pipes PP-RCT

Pipe SRD 7,4 L = 4 m

dxe	Art. Nr.
20x 2,8	5152 25201
25x 3,5	5152 25202
32x 4,4	5152 25203
40x 5,5	5152 25204
50x 6,9	5152 25205
63x 8,6	5152 25206
75x10,3	5152 25207
90x12,3	5152 25209
110x15,4	5152 25211
125x17,1	5152 25212

Pipe SDR 11 L = 4 m

dxe	Art. Nr.
160x14,6	5152 25016
200x18,2	5152 25020
250x22,7	5152 25025
315x28,6	5152 25031

Pipe fiber SDR 11 L = 4 m

dxe	Art. Nr.
160x14,6	5152 27016
200x18,2	5152 27020
250x22,7	5152 27025

Fittings

Cross

d	Art. Nr.
32	5155 25101
40	5155 25102
50	5155 25103
63	5155 25104

Bend 90°

d	Art. Nr.
20	5155 21101
25	5155 21102
32	5155 21103
40	5155 21104

Distributor manifold 4x

dxd ₁	Art. Nr.
32x20	5155 20602

Elbow 45° s/m

d	Art. Nr.
20	5155 22100
25	5155 22101
32	5155 22102

Bridge m/m

d	Art. Nr.
20	5155 20501
25	5155 20502
32	5155 20503

Distributor manifold 4x female

dxR _p	Art. Nr.
32x1/2"	5155 20604
40x1/2"	5155 20606

Elbow 90° s/m

d	Art. Nr.
20	5155 22001
25	5155 22002
32	5155 22003

Bridge s/s

d	Art. Nr.
20	5155 70201
25	5155 70202

Distributor manifold 4x male

dxR	Art. Nr.
32x1/2"	5155 20608
40x1/2"	5155 20610

Elbow 45°



d	Art. Nr.
20	5155 23002
25	5155 23003
32	5155 23004
40	5155 23005
50	5155 23006
63	5155 23007
75	5155 23008
90	5155 23009
110	5155 23010
125	5155 23011



Long	
d	Art. Nr.
160	5152 41316
200	5152 41320
250	5152 41325
315	5152 41331

Elbow 90°



d	Art. Nr.
20	5155 21002
25	5155 21003
32	5155 21004
40	5155 21005
50	5155 21006
63	5155 21007
75	5155 21008
90	5155 21009
110	5155 21010
125	5155 21011



Short	
d	Art. Nr.
160	5152 41116
200	5152 41120
250	5152 41125
315	5152 41131



Long	
d	Art. Nr.
160	5152 41016
200	5152 41020
250	5152 41025
315	5152 41031

Socket



d	Art. Nr.
20	5155 27002
25	5155 27003
32	5155 27004
40	5155 27005
50	5155 27006
63	5155 27007
75	5155 27008
90	5155 27009
110	5155 27010
125	5155 27011

End cap



d	Art. Nr.
20	5155 28002
25	5155 28003
32	5155 28004
40	5155 28005
50	5155 28006
63	5155 28007
75	5155 28008
90	5155 28009
110	5155 28010
125	5155 28011



Long	
d	Art. Nr.
160	5152 42216
200	5152 42220
250	5152 42225
315	5152 42231

Tee 90°



d	Art. Nr.
20	5155 24002
25	5155 24003
32	5155 24004
40	5155 24005
50	5155 24006
63	5155 24007
75	5155 24008
90	5155 24009
110	5155 24010
125	5155 24011



Short	
d	Art. Nr.
160	5152 41616
200	5152 41620
250	5152 41625
315	5152 41631



Long	
d	Art. Nr.
160	5152 41516
200	5152 41520
250	5152 41525
315	5152 41531

Reducer



dxd ₁	Art. Nr.
25x 20	5155 26003
32x 20	5155 26004
32x 25	5155 26005
40x 20	5155 26006
40x 25	5155 26007
40x 32	5155 26008
50x 20	5155 26009
50x 25	5155 26010
50x 32	5155 26011
50x 40	5155 26012
63x 40	5155 26013
63x 25	5155 26014
63x 32	5155 26015
63x 50	5155 26016
75x 50	5155 26017
75x 63	5155 26018
90x 63	5155 26019
90x 75	5155 26020
110x 90	5155 26025
125x110	5155 26026



Short	
dxd ₁	Art. Nr.
200x160	5152 41934
250x160	5152 41936
250x200	5152 41937



Long	
d/d ₁	Art. Nr.
160x110	5152 41830
160x125	5152 41831
200x160	5152 41834
250x160	5152 41836
250x200	5152 41837
315x250	5152 41840

Tee reduced 90°



dxd ₁ xd ₂	Art. Nr.
25x 20x 25	5155 25003
32x 20x 32	5155 25004
32x 25x 32	5155 25005
40x 20x 40	5155 25006
40x 25x 40	5155 25007
40x 32x 40	5155 25008
50x 25x 50	5155 25009
50x 32x 50	5155 25010
50x 40x 50	5155 25011
63x 50x 63	5155 25012
63x 25x 63	5155 25013
63x 32x 63	5155 25014
63x 40x 63	5155 25015
63x 50x 63	5155 25016
75x 20x 75	5155 25017
75x 25x 75	5155 25018
75x 32x 75	5155 25019
75x 40x 75	5155 25020
75x 50x 75	5155 25021
75x 63x 75	5155 25022
32x 32x 25	5155 25023
25x 20x 20	5155 25024
20x 25x 25	5155 25025
32x 20x 25	5155 25026
32x 25x 25	5155 25028
50x 20x 50	5155 25029
90x 63x 90	5155 25032
90x 75x 90	5155 25033
110x 63x 110	5155 25034
110x 75x 110	5155 25035
110x 90x 110	5155 25036
125x 75x 125	5155 25037
125x 90x 125	5155 25038
125x110x 125	5155 25039

Flange sleeve with gasket



d	Art. Nr.
32	5155 28020
40	5155 28021
50	5155 28022
63	5155 28023
75	5155 28024
90	5155 28025
110	5155 28026
125	5155 28027

Stub end



Short	
d	Art. Nr.
160	5152 42116
200	5152 42120
250	5152 42125
315	5152 42131



Long	
d	Art. Nr.
160	5152 42016
200	5152 42020
250	5152 42025
315	5152 42031

Electrofusion coupler



d	Art. Nr.
20	5155 50101
25	5155 50102
32	5155 50103
40	5155 50104
50	5155 50105
63	5155 50106
75	5155 50107
90	5155 50108
110	5155 50109
125	5155 50110



d	Art. Nr.
160	5152 50116
200	5152 50120
250	5152 50125
315	5152 50131

Transition fittings

Transition round female



dxRp	Art. Nr.
20x 1/2"	5155 28101
20x 3/4"	5155 28102
25x 1/2"	5155 28103
25x 3/4"	5155 28104
32x 3/4"	5155 28105

Transition hexagon female



dxRp	Art. Nr.
32x 1"	5155 28204
40x 1 1/4"	5155 28205
50x 1 1/2"	5155 28206
63x 2"	5155 28207
75x 2"	5155 28208
125x 5"	5155 28213

Transition hexagon male



dxR	Art. Nr.
32x 1"	5155 29204
40x 1 1/4"	5155 29205
50x 1 1/2"	5155 29206
63x 2"	5155 29207
75x 2 1/2"	5155 29208
90x 3"	5155 29209
110x 3"	5155 29210
110x 4"	5155 29211
125x 5"	5155 29213

Transition round male



dxR	Art. Nr.
20x 1/2"	5155 29101
20x 3/4"	5155 29102
25x 1/2"	5155 29103
25x 3/4"	5155 29104

Transition elbow 90° female



dxRp	Art. Nr.
20x 1/2"	5155 28301
20x 3/4"	5155 28302
25x 1/2"	5155 28303
25x 3/4"	5155 28304
32x 3/4"	5155 28305
32x 1"	5155 28306

Transition elbow 90° male



dxR	Art. Nr.
20x 1/2"	5155 28401
20x 3/4"	5155 28402
25x 1/2"	5155 28403
25x 3/4"	5155 28404
32x 3/4"	5155 28405
32x 1"	5155 28406

Transition tee female



dxRp	Art. Nr.
20x 1/2"	5155 29301
20x 3/4"	5155 29302
25x 1/2"	5155 29303
25x 3/4"	5155 29304
32x 3/4"	5155 29305
32x 1"	5155 29306

Back plate elbow female



dxRp	Art. Nr.
20x 1/2"	5155 29002
20x 3/4"	5155 29003
25x 1/2"	5155 29004
25x 3/4"	5155 29005

Pipe union brass female



dxRp	Art. Nr.
20x 1/2"	5155 29601
20x 3/4"	5155 29602
25x 1/2"	5155 29603
25x 3/4"	5155 29604
32x 1"	5155 29605
32x 3/4"	5155 29606
40x 1 1/4"	5155 29607
50x 1 1/2"	5155 29608
63x 2"	5155 29609
75x 2 1/2"	5155 29610

Pipe union brass male



dxRp	Art. Nr.
20x 1/2"	5155 29701
20x 3/4"	5155 29702
25x 1/2"	5155 29703
25x 3/4"	5155 29704
32x 1"	5155 29705
32x 3/4"	5155 29706
40x 1 1/4"	5155 29707
50x 1 1/2"	5155 29708
63x 2"	5155 29709
75x 2 1/2"	5155 29710

Pipe connection brass nut female



dxG	Art. Nr.
20x 3/4"	5155 29801
20x 1"	5155 29802
25x 3/4"	5155 29803
25x 1"	5155 29804
32x 1"	5155 29805
32x 1 1/4"	5155 29806
40x 1 1/2"	5155 29807
50x 1 3/4"	5155 29808
63x 2 3/8"	5155 29809
75x 2 1/2"	5155 29810

Weld-in saddles PP-R

Weld-in saddle



dx d _i	Art. Nr.
40x20	5155 28052
40x25	5155 28053
50x20	5155 28054
50x25	5155 28055
63x20	5155 28056
63x25	5155 28057
75x20	5155 28058
75x25	5155 28059
90x20	5155 28060
90x25	5155 28061
110x20	5155 28062
110x25	5155 28063
125x20	5155 28064
125x25	5155 28065
125x32	5155 28066

Weld-in saddle female



d x Rp	Art. Nr.
40 x 1/2"	5155 28071
50 x 1/2"	5155 28072
63 x 1/2"	5155 28073
75 x 1/2"	5155 28074
90 x 1/2"	5155 28075
110 x 1/2"	5155 28076
125 x 1/2"	5155 28077
40 x 3/4"	5155 28171
50 x 3/4"	5155 28172
63 x 3/4"	5155 28173
75 x 3/4"	5155 28174
90 x 3/4"	5155 28175
110 x 3/4"	5155 28176
125 x 3/4"	5155 28177

Weld-in saddle male



d x R	Art. Nr.
40 x 1/2"	5155 28081
50 x 1/2"	5155 28082
63 x 1/2"	5155 28083
75 x 1/2"	5155 28084
90 x 1/2"	5155 28085
110 x 1/2"	5155 28086
125 x 1/2"	5155 28087
40 x 3/4"	5155 28181
50 x 3/4"	5155 28182
63 x 3/4"	5155 28183
75 x 3/4"	5155 28184
90 x 3/4"	5155 28185
110 x 3/4"	5155 28186
125 x 3/4"	5155 28187

Weld-in saddles PP-RCT

Weld-in saddle



d / d ₁	Art. Nr.
40-63 x 32	5152 43007
75-125 x 32	5152 43010
75-125 x 40	5152 43011
110-125 x 50	5152 43018
125 x 63	5152 43024
160-250/20	5152 43026
160-250/25	5152 43027
160-250/32	5152 43028
160-250/40	5152 43029
160-250/50	5152 43030
160-250/63	5152 43031
315/20	5152 43037
315/25	5152 43038
315/32	5152 43039
315/40	5152 43040
315/50	5152 43041
315/63	5152 43042

Weld-in saddle female



d / d ₁	Art. Nr.
75-125 x 1"	5152 43110
75-125 x 1 1/4"	5152 43111
110-125 x 1 1/2"	5152 43118
125 x 2"	5152 43124
160-250/ 1/2"	5152 43126
160-250/ 3/4"	5152 43127
160-250/ 1"	5152 43128
160-250/1 1/4"	5152 43129
160-250/1 1/2"	5152 43130
160-250/ 2"	5152 43131
315/ 1/2"	5152 43137
315/ 3/4"	5152 43138
315/ 1"	5152 43139
315/1 1/4"	5152 43140
315/1 1/2"	5152 43141
315/ 2"	5152 43142

Weld-in saddle male



d / d ₁	Art. Nr.
75-125 x 1"	5152 43210
75-125 x 1 1/4"	5152 43211
110-125 x 1 1/2"	5152 43218
125 x 2"	5152 43224
160-250/ 1/2"	5152 43226
160-250/ 3/4"	5152 43227
160-250/ 1"	5152 43228
160-250/1 1/4"	5152 43229
160-250/1 1/2"	5152 43230
160-250/ 2"	5152 43231
315/ 1/2"	5152 43237
315/ 3/4"	5152 43238
315/ 1"	5152 43239
315/1 1/4"	5152 43240
315/1 1/2"	5152 43241
315/ 2"	5152 43242

Valves

Stop valve surface assembly



d	Art. Nr.
20	5155 29500
25	5155 29501
32	5155 29502

Stop valve concealed assembly



d	Art. Nr.
20	5155 29510
25	5155 29511
32	5155 29512

H = 90 mm

Stop valve concealed assembly



d	Art. Nr.
20	5155 29525
25	5155 29526
32	5155 29527

H = 100 mm

Stop valve tamper resistant



d	Art. Nr.
20	5155 29515
25	5155 29516
32	5155 29517

Y-valve



d	Art. Nr.
25	5155 29540
32	5155 29541
40	5155 29542

Y-valve KFR



d	Art. Nr.
25	5155 29550
32	5155 29551
40	5155 29552

Drain socket



d	Art. Nr.
20	5155 29560
25	5155 29561
32	5155 29562
40	5155 29563

Stop valve body



d	Art. Nr.
20	5155 29530
25	5155 29531
32	5155 29532

Ball valve



d	Art. Nr.
20	5155 25580
25	5155 25581
32	5155 25582
40	5155 25583
50	5155 25584
63	5155 25585
75	5155 25586

Extension 95 mm



Art. Nr.
5150 29520

Extension set 30 mm



Art. Nr.
5150 29521
5150 29522

Accessories

Pipe clamp



d	Art. Nr.
20	5150 34201
25	5150 34202
32	5150 34203
40	5150 34204
50	5150 34205
63	5150 34206
75	5150 34207
90	5150 34208
110	5150 34209
125	5150 34210

PP-R pin for pipe repair



d	Art. Nr.
7/11	5155 28030

Pipe clip



d	Art. Nr.
20	5155 34401
25	5155 34402
32	5155 34403

Profile backing ring PP with ductile iron core



d	Art. Nr.
32	5150 28040
40	5150 28041
50	5150 28042
63	5150 28043
75	5150 28044
90	5150 28045
110	5150 28046
125	5150 28047

Profile backing ring PP with ductile iron core



d	Art. Nr.
160	5152 52016
200	5152 52020
250	5152 52025
315	5152 52031

Gasket



d	Art. Nr.
160	5152 52216
200	5152 52220
250	5152 52225
315	5152 52231

Cavity wall disk



Art. Nr.
5150 35000

Mounting plate for flush wall disk



l x w x h	Art. Nr.
260x55x2	5150 34000

Plug for pressure test



d		Art. Nr.
1/2"	red	5150 36100
1/2"	blue	5150 36101

Tools

Welding tool

	d	Art. Nr.
	20	5150 30002
	25	5150 30003
	32	5150 30004
	40	5150 30005
	50	5150 30006
	63	5150 30007
	75	5150 30008
	90	5150 30009
	110	5150 30010
	125	5150 30011

Welding tool for weld-in saddles

	d/d ₁	Art. Nr.
	40/25	5150 30051
	50/25	5150 30052
	63/25	5150 30053
	75/25	5150 30054
	90/25	5150 30055
	110/25	5150 30056
	125/25	5150 30057
	40-63/32	5150 30058
	75-125/32	5150 30059
	75-125/40	5150 30060
	75-125/50	5150 30061
	125/63	5150 30062
	160-250/25	5150 30065
	160-250/32	5150 30066
	160-250/40	5150 30067
	160-250/50	5150 30068
	160-250/63	5150 30069
	315/25	5150 30165
	315/32	5150 30166
	315/40	5150 30167
	315/50	5150 30168
	315/63	5150 30169

Socket welding machine 25-125 mm

	d	Art. Nr.
	25-125	5150 31003

Welding jig 63-125 mm

	d	Art. Nr.
	63-125	5150 31006

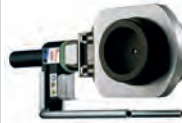
Welding jig stand

	Art. Nr.
	5150 31007

Depth gauge

	Art. Nr.
	5199 99971

Manual welding device 16-125 mm

	d	Art. Nr.
	16-125	5150 31005

Manual welding device 16-25 mm

	d	Art. Nr.
	16-25	5150 31002

Manual welding device 16-63 mm

	d	Art. Nr.
	16-63	5150 31000

Chamfering device

	d	Art. Nr.
	25	5150 30075

Welding tool for repair pin

	d	Art. Nr.
	7	5150 30080
	11	5150 30081

Butt-welding machine 160-315 mm

	d	Art. Nr.
	160-315	5150 31004

Electrofusion welding machine

	d	Art. Nr.
	20-315	5150 31011

Pipe scraper set

	d	Art. Nr.
	20-200	5150 31020

Drill

	d	Art. Nr.
	25 mm	5150 30070
	32 mm	5150 30071
	40 mm	5150 30072
	50 mm	5150 30073
	63 mm	5150 30074

Peeling tool for pipe stabi - manual

	d	Art. Nr.
	20-25	5150 34101
	32-40	5150 34102
	50-63	5150 34103
	75	5150 34104
	90	5150 34105
	110	5150 34106

Peeling tool for pipe stabi - mechanical

	d	Art. Nr.
	20	5150 35101
	25	5150 35102
	32	5150 35103

Profi-cut pipe cutter 0-42 mm

	d	Art. Nr.
	0-42	5150 32002

Pipe cutter 50-110 mm

	d	Art. Nr.
	50-110	5150 32010

Scraper manual

	Art. Nr.
	5150 31030

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