

POLYGON
BE / WITH / YOU

PPR
PIPING SYSTEM

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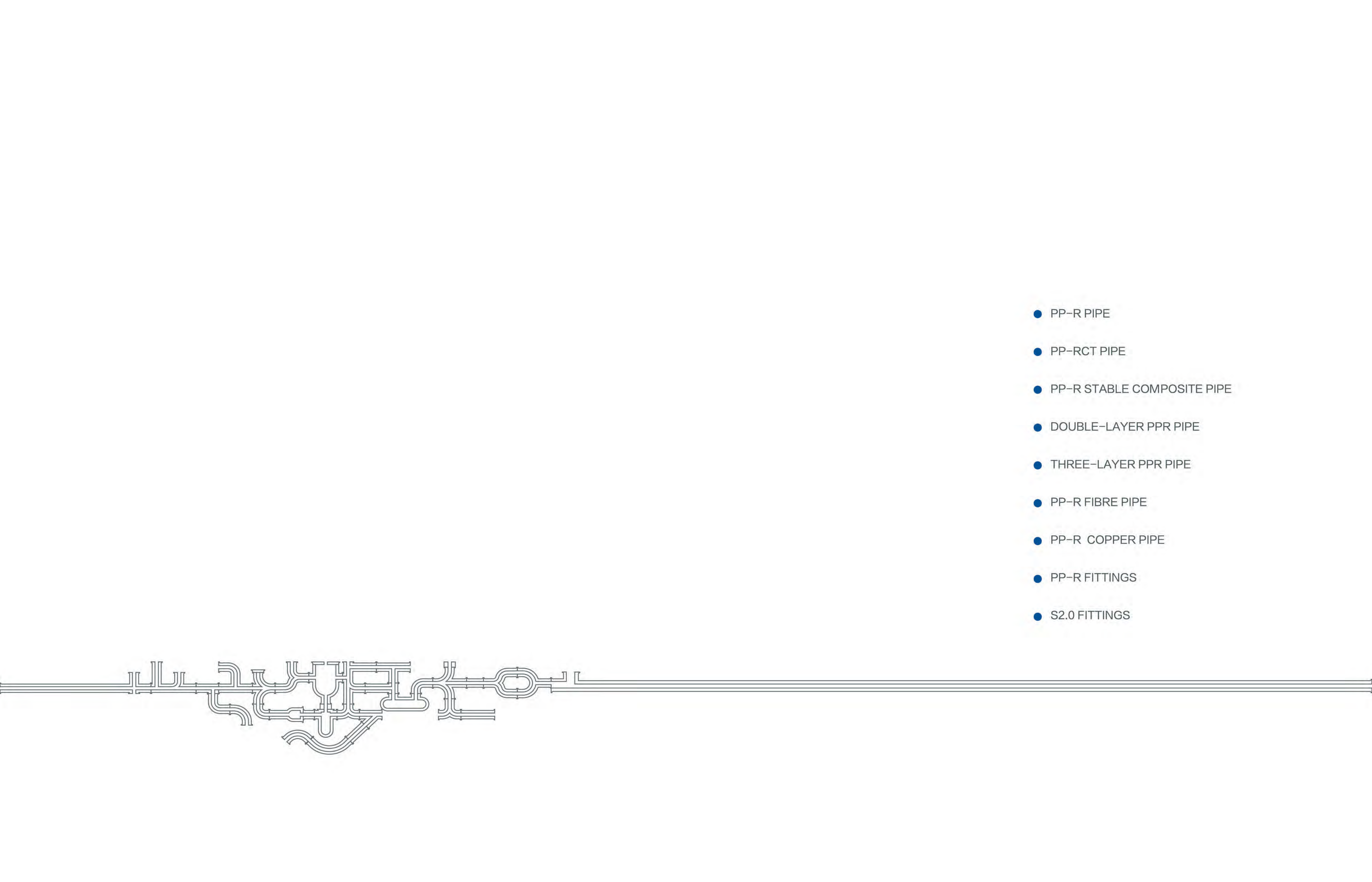
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PP-R | PEX-B | PE-RT | PB | HDPE | PVC



● PP-R PIPE

● PP-RCT PIPE

● PP-R STABLE COMPOSITE PIPE

● DOUBLE-LAYER PPR PIPE

● THREE-LAYER PPR PIPE

● PP-R FIBRE PIPE

● PP-R COPPER PIPE

● PP-R FITTINGS

● S2.0 FITTINGS



Akan Enterprise Group(Shanghai)Co.,Ltd. founded in 2000, providing a global environmental system for consumers and a network of solutions for government and builders. Akan have five production bases, and in 2005 wholly-owned acquisition of AMERICA POLYGON GROUP.



ABOUT AKAN

Up to now, the group has three well-known brands, POLYGON for piping system, POLYGON HAVC/MACS system, CareWater for water treatment. The products cover all the municipal engineering pipe products, comfortable home system, plumbing and cold wind field.

Over the years, Akan Enterprise Group has continuously introduced advanced technical talents, developed advanced professional technology, establish CNAS national laboratory. In the field of water, air, temperature and humidity control, we provide consumers with more valuable products and technical services, and become a multinational enterprise group in the field of environmental control and distribution to realize the dream of comfortable home for more users.



R&D STRENGTH



ABOUT POLYGON

In 2005, Akan Enterprise Group acquired the American brand -POLYGON.

After the whole of the technology research and development, supplying chain and marketing of Akan Enterprise Group, Polygon Pipe has taken root in the international market and achieved rapid growth.

Polygon pipe has the world's leading technology production equipment and complete product line. There are more than 5,000 types of products, covering home improvement projects and municipal engineering. The main system products are: PPR water supply system, hot water circulation system, split water supply system, pipe shifting system, circuit piping system, municipal engineering water supply and drainage pipeline system.

In the future, Polygon Pipe will continue to practice the brand concept of "be with you" to create a healthy and comfortable home space for consumers.

The Polygon Pipe R&D Center has dozens of advanced testing equipments at home and abroad, and more than 20 professional R&D personnel with master's and bachelor's degrees. It is a leading R&D center for the domestic pipe industry. From raw materials to products, various project test items can be completed in the laboratory.

Now we are the national CNAS laboratory, the certification we offered is recognized by China.



PP-R PIPE
SOLUTIONS

- Hot -melting connection
- Resistant to high temperature(95°)
- Recyclable,healthy and harmless
- Long life of at least 50 years
- Resistant to corrosion

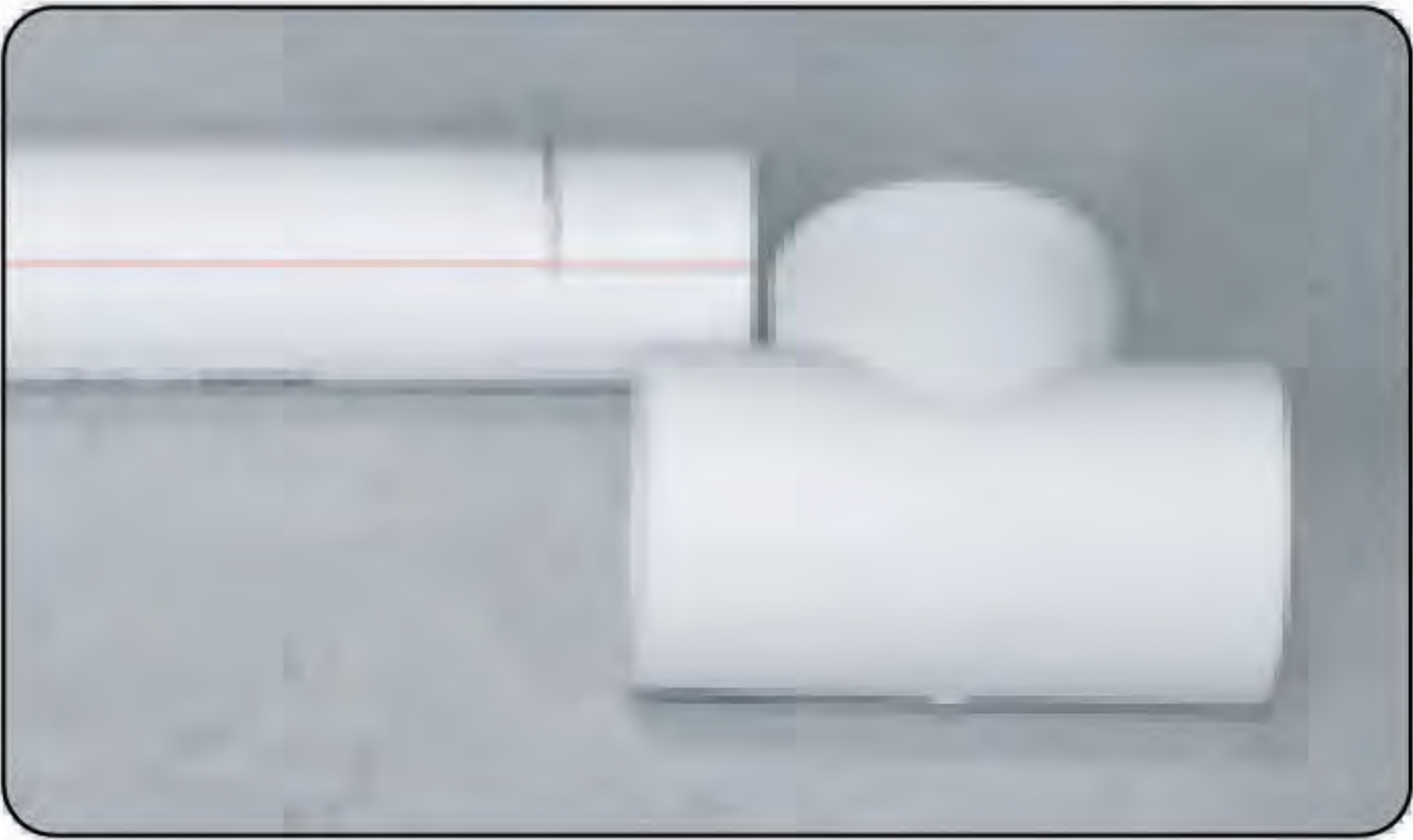


Pipe series SDR11/S5/PN10	
Code Number	Dimension (mm)
10020	20x2.0
10025	25x2.3
10032	32x3.0
10040	40x3.7
10050	50x4.6
10063	63x5.8
10075	75x6.9
10090	90x8.2
11010	110x10.0
10160	160x14.6

Pipe series SDR9/S4/PN12.5	
Code Number	Dimension (mm)
11020	20x2.3
11025	25x2.8
11032	32x3.6
11040	40x4.5
11050	50x5.5
11063	63x7.1
11075	75x8.4
11090	90x10.1
11110	110x12.3
11160	160x17.9

Pipe series SDR7.4/S3.2/PN16	
Code Number	Dimension (mm)
12020	20x2.8
12025	25x3.5
12032	32x4.4
12040	40x5.5
12050	50x6.9
12063	63x8.6
12075	75x10.1
12090	90x12.3
12110	110x15.1

Pipe series SDR6.4/S2.5/PN20	
Code Number	Dimension (mm)
13020	20x3.4
13025	25x4.2
13032	32x5.4
13040	40x6.7
13050	50x8.3
13063	63x10.5
13075	75x12.5
13090	90x15.0
13110	110x18.3



1 Cut and Clean

Measuring fusion depth and mark it,two ends should be cut out 4-5cm.Cleaning the fusion surface of pipe and fittings with alcohol,keep it dry.



3 Connecting

Insert the pipe and fitting horizontally in to the welding tools.Heating time referenc to talbe 1 . Connect the heated pipe and fitting exactly and adjustment finish in 5s.



2 Heating

Turn on the power source,it's unavaliable to work until the green light is on ,the temperature is between 260-280℃ 。



4 Cooling

After the cooling period the fused joint is ready for use.

TABLE 1

Pipe Diameter(mm)	Heating Secs	Joining Secs	Cooling Time(minutes)
20	5	4	2
25	7	4	3
32	8	6	4
40	12	6	4
50	18	6	5
63	24	8	6
75	30	8	8
90	40	8	8
110	50	10	8

PP-R PIPE
SOLUTIONS

- Raw materials : a special molecular structure ensure high mechanical resistance and duration
- Compare with PP-R:When the wall thickness are the same, working under a high temperatures and pressures pressure, the performance of PP-RCT is better than PP-R.
- When working performance are the same,PP-RCT is more thinner than PPR,increasing the flow rate.



Pipe Series SDR11/S5/PN12.5	
Code Number	Dimension (mm)
10020CT	20×2.0
10025CT	25×2.3
10032CT	32×3.0
10040CT	40×3.7
10050CT	50×4.6
10063CT	63×5.8
10075CT	75×6.9
10090CT	90×8.2
10110CT	110×10.0
10160CT	160×14.6

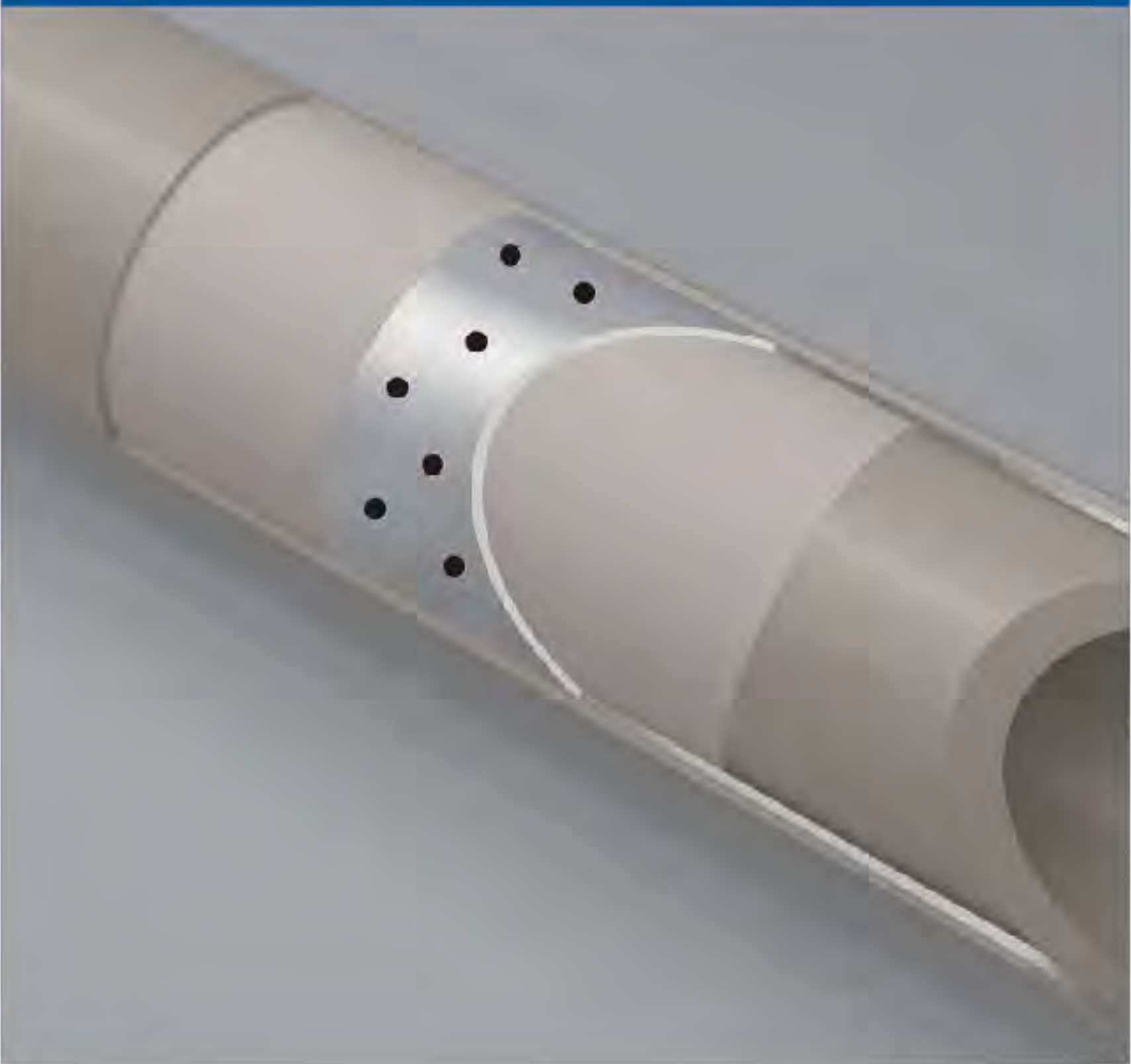
Pipe Series SDR7.4/S3.2/PN20	
Code Number	Dimension (mm)
10020CT	20×2.8
10025CT	25×3.5
10032CT	32×4.4
10040CT	40×5.5
10050CT	50×6.9
10063CT	63×8.6
10075CT	75×10.1
10090CT	90×12.3
10110CT	110×15.1

Pipe Series SDR9/S4/PN16	
Code Number	Dimension (mm)
10020CT	20×2.3
10025CT	25×2.8
10032CT	32×3.6
10040CT	40×4.5
10050CT	50×5.5
10063CT	63×7.1
10075CT	75×8.4
10090CT	90×10.1
10110CT	110×12.3
10160CT	160×17.9

Pipe Series SDR6/S2.5/PN25	
Code Number	Dimension (mm)
13020CT	20×3.4
13025CT	25×4.2
13032CT	32×5.4
13040CT	40×6.7
13050CT	50×8.3
13063CT	63×10.5
13075CT	75×12.5
13090CT	90×15.0
13110CT	110×18.3

PP-R PIPE
SOLUTIONS

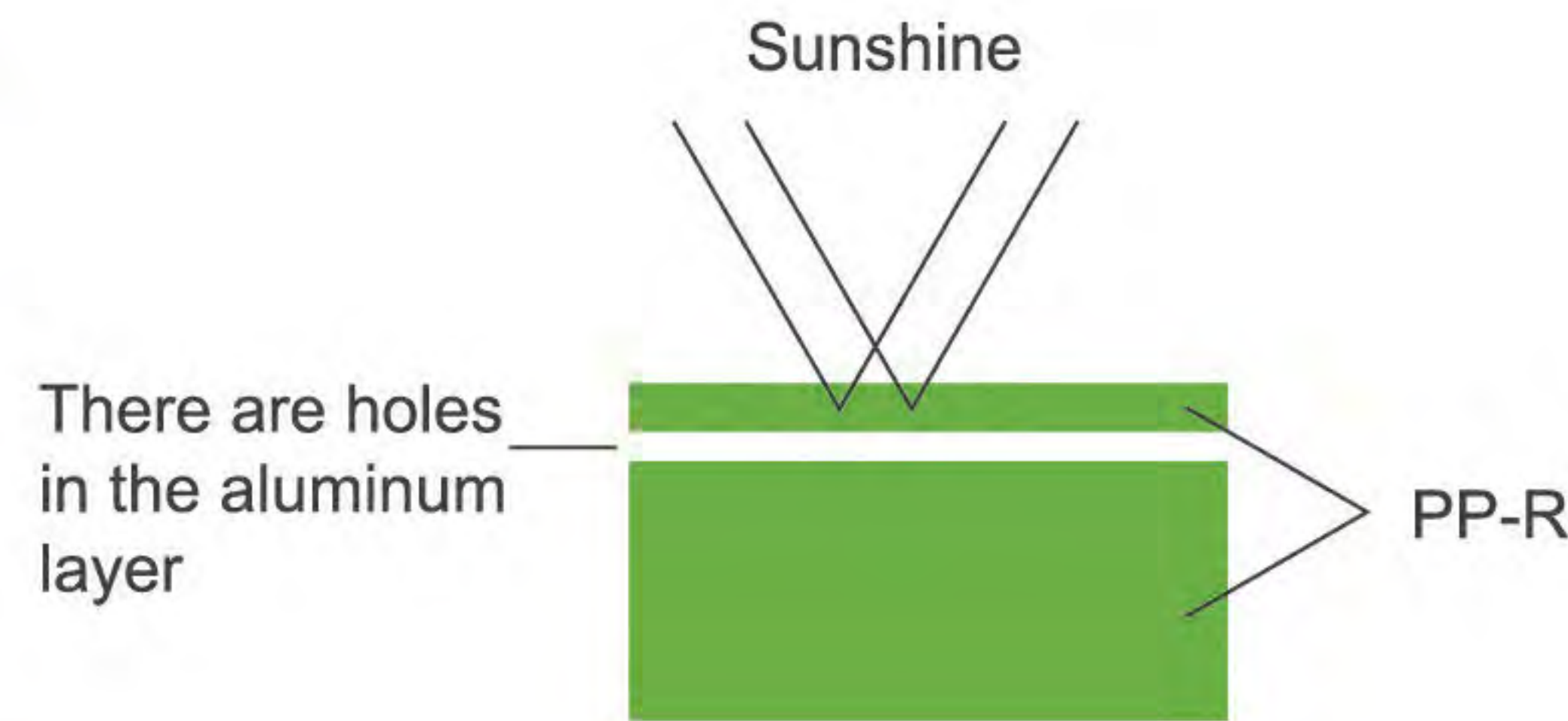
- PP-R Stable Composite Pipe has aluminum layer in the middle.
- It can work under higher pressure.
- The metal layer can be easily detected,makes it easy to maintain.



PP-R Stable pipe SDR9/S4/PN16	
Code Number	Dimension (mm)
14020	20×2.3
14025	25×2.8
14032	32×3.6

PP-R Stable pipe SDR7.4/S3.2/PN20	
Code Number	Dimension (mm)
15020	20×2.8
15025	25×3.5
15032	32×4.4

PP-R Stable pipe SDR6/S2.5/PN25	
Code Number	Dimension (mm)
16020	20×3.4
16025	25×4.2
16032	32×5.4



Installation Notice:

- Before starting the fusion,check the outer layer and aluminum foil have been completely removed.
- Only use POLYGON-original peeling tools with undamaged peeling blades.Blunt peeling blades have to be replaced with original noes.It will be necessary to make trial peeling to check the correct setting of the new blade.

PP-R PIPE
SOLUTIONS
—

- The inner layer added antibacterial granules
- Characteristic:inner layer keep releasing the silver ion,make it self-clean and inhibit bacterial growth.
- Application fields:food transportation,medical products transprotation



Double-Layer
PPR Pipe

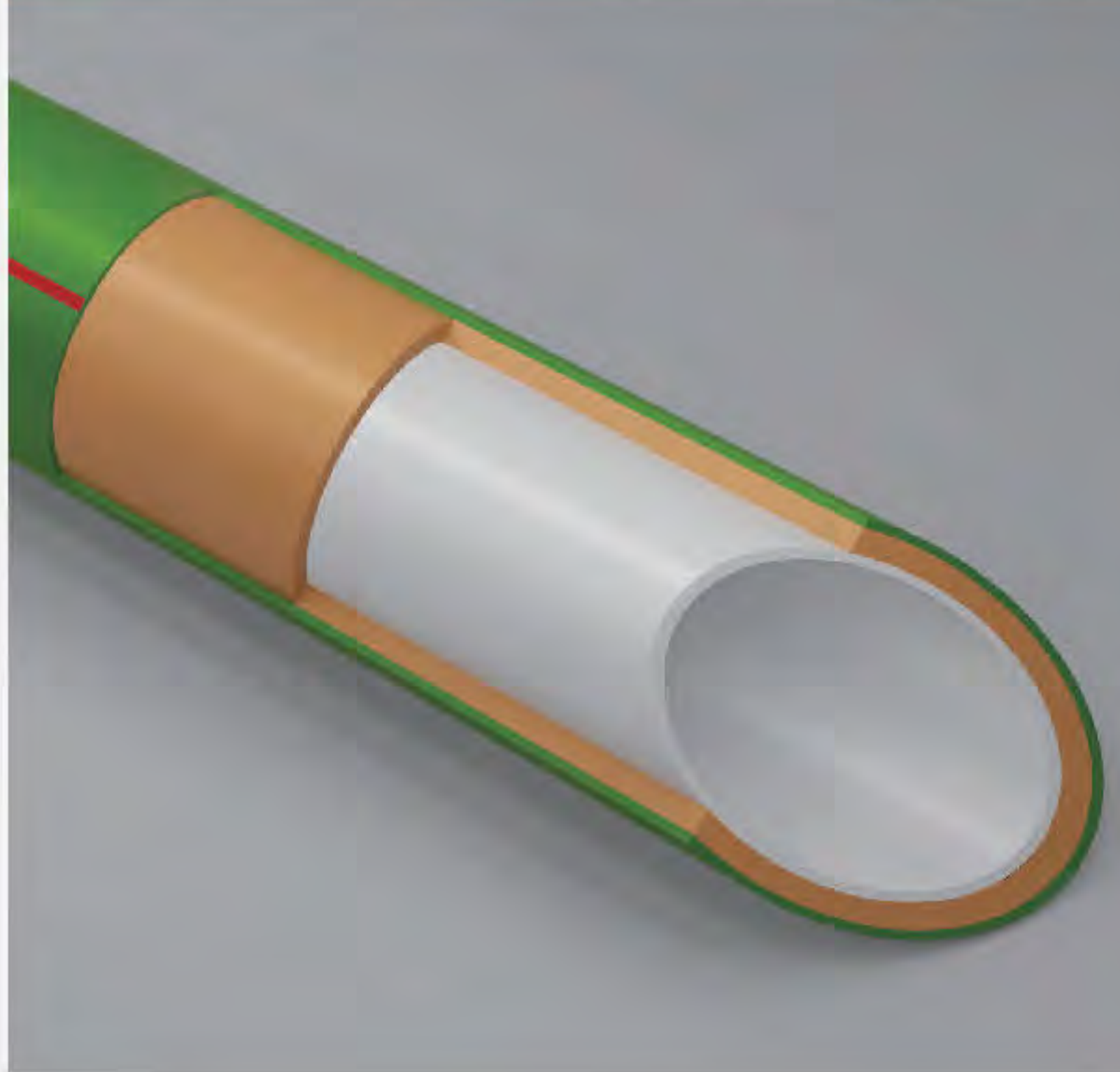


Pipe series SDR7.4/S3.2/PN16	
Code Number	Dimension (mm)
40020	20x2.8
40025	25x3.5
40032	32x4.4
40040	40x5.5
40050	50x6.9
40063	63x8.6

Pipe series SDR7.4/S3.2/PN16	
Code Number	Dimension (mm)
40020	20x3.4
40025	25x4.2
40032	32x5.4
40040	40x6.7
40050	50x8.3
40063	63x10.5

PP-R PIPE
SOLUTIONS
—

- Inner layer: Antibacterial layer with Ag Ion.
- Middle layer: Prevent light shining into pipe.
- Outer layer: Anti-aging and anti-impact to protect pipes



Three-Layer
PPR Pipe



Pipe series SDR7.4/S3.2/PN16	
Code Number	Dimension (mm)
40020	20x2.8
40025	25x3.5
40032	32x4.4
40040	40x5.5
40050	50x6.9
40063	63x8.6

Pipe series SDR7.4/S3.2/PN16	
Code Number	Dimension (mm)
40020	20x3.4
40025	25x4.2
40032	32x5.4
40040	40x6.7
40050	50x8.3
40063	63x10.5

PP-R PIPE
SOLUTIONS
—

- One fibre layer in the middle
- Lower coefficient of linear expansion
- High impact and pressure resistance



Pipe series SDR7.4/S3.2/PN16	
Code Number	Dimension (mm)
18020	20x2.8
18025	25x3.5
18032	32x4.4
18040	40x5.5
18050	50x6.9
18063	63x8.6

Pipe series SDR7.4/S3.2/PN16	
Code Number	Dimension (mm)
19020	20x3.4
19025	25x4.2
19032	32x5.4
19040	40x6.7
19050	50x8.3
19063	63x10.5

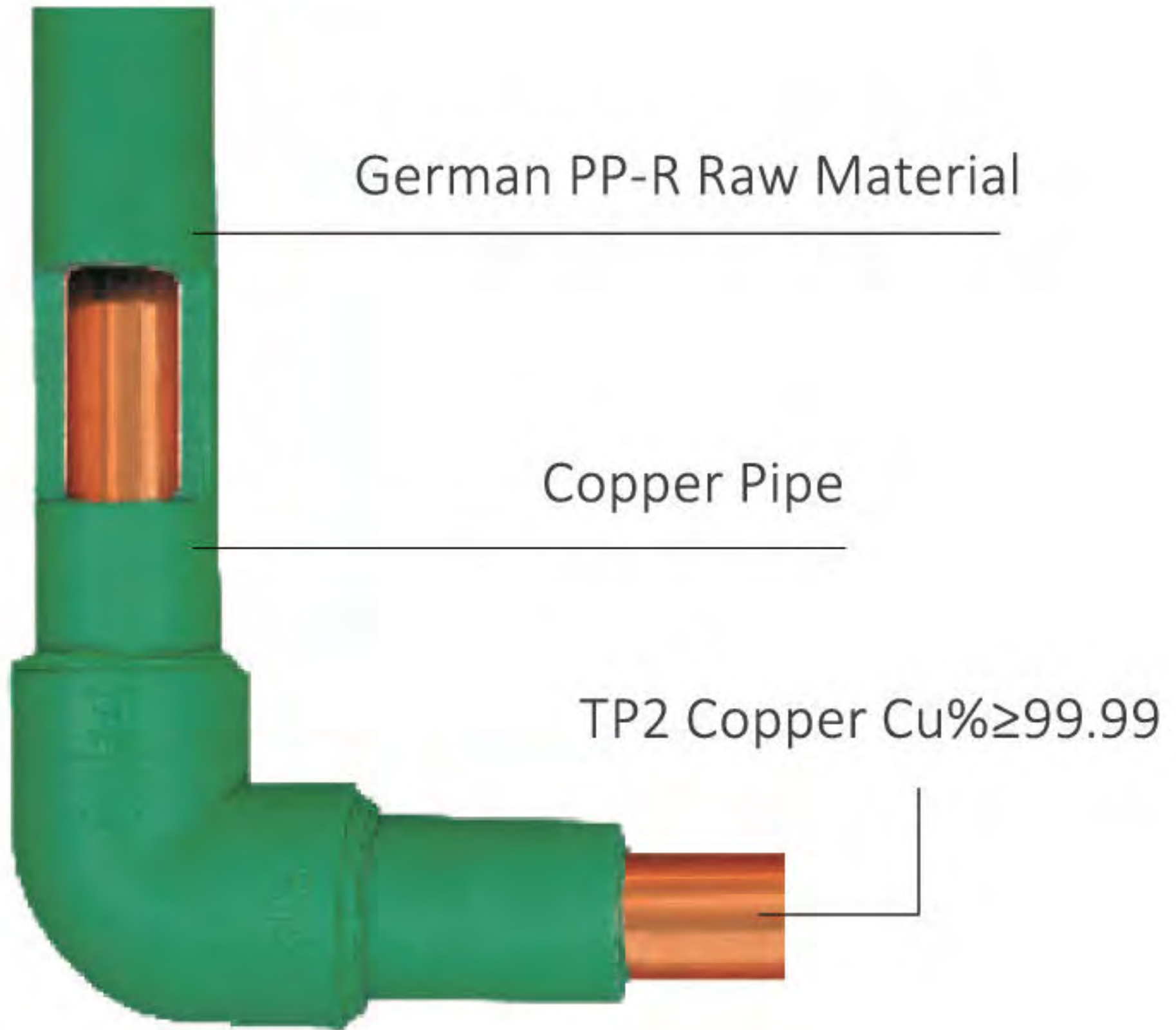
PP-R PIPE
SOLUTIONS
—

- One copper layer in the middle
- Good antibacterial,high strength and good toughness
- Hot-melt connection way,in-creased safety

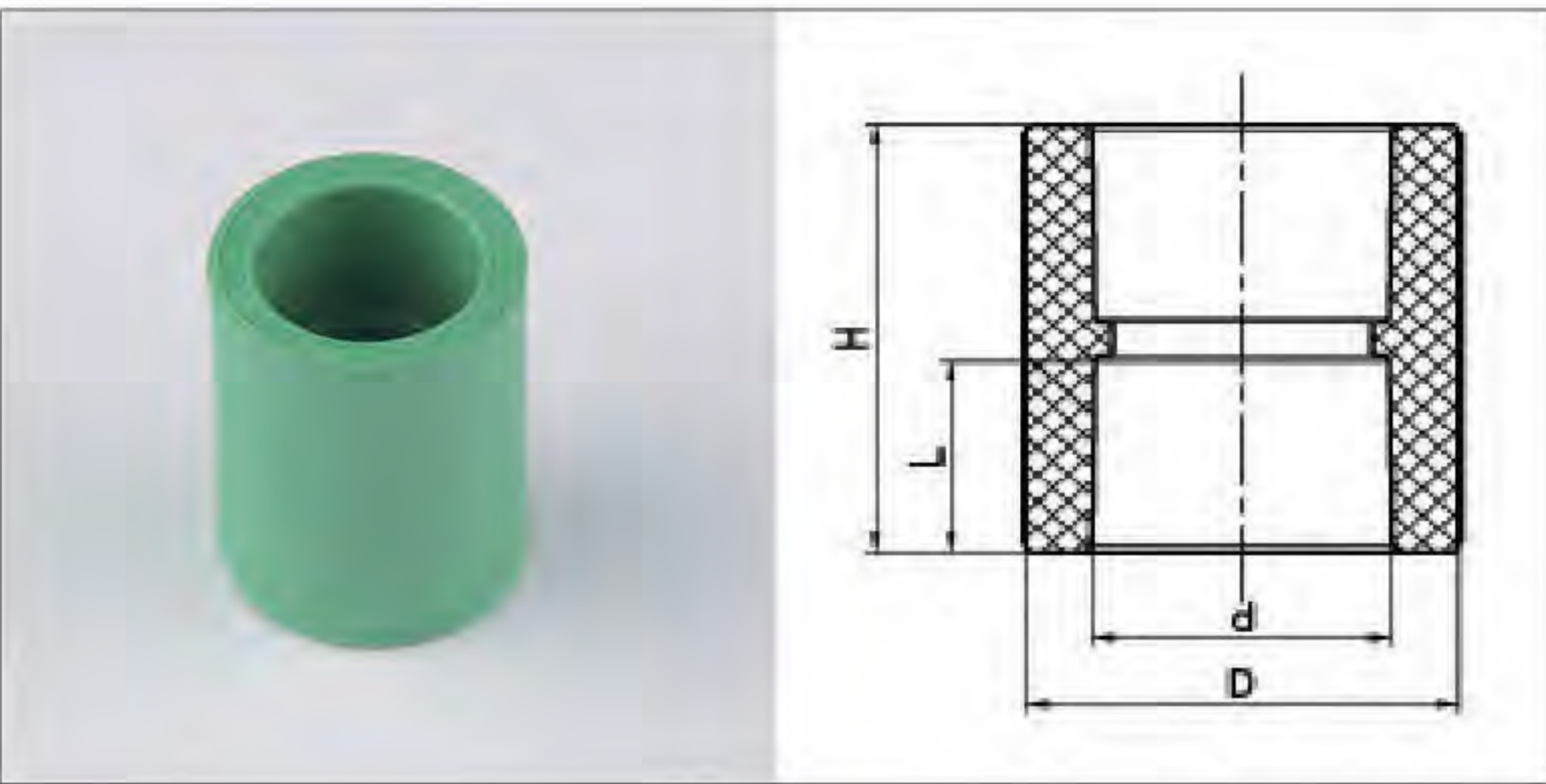


PP-R Stable pipe SDR6/S2.5/PN25	
Code Number	Dimension (mm)
17020	20x3.4
17025	25x4.2
17032	32x5.4

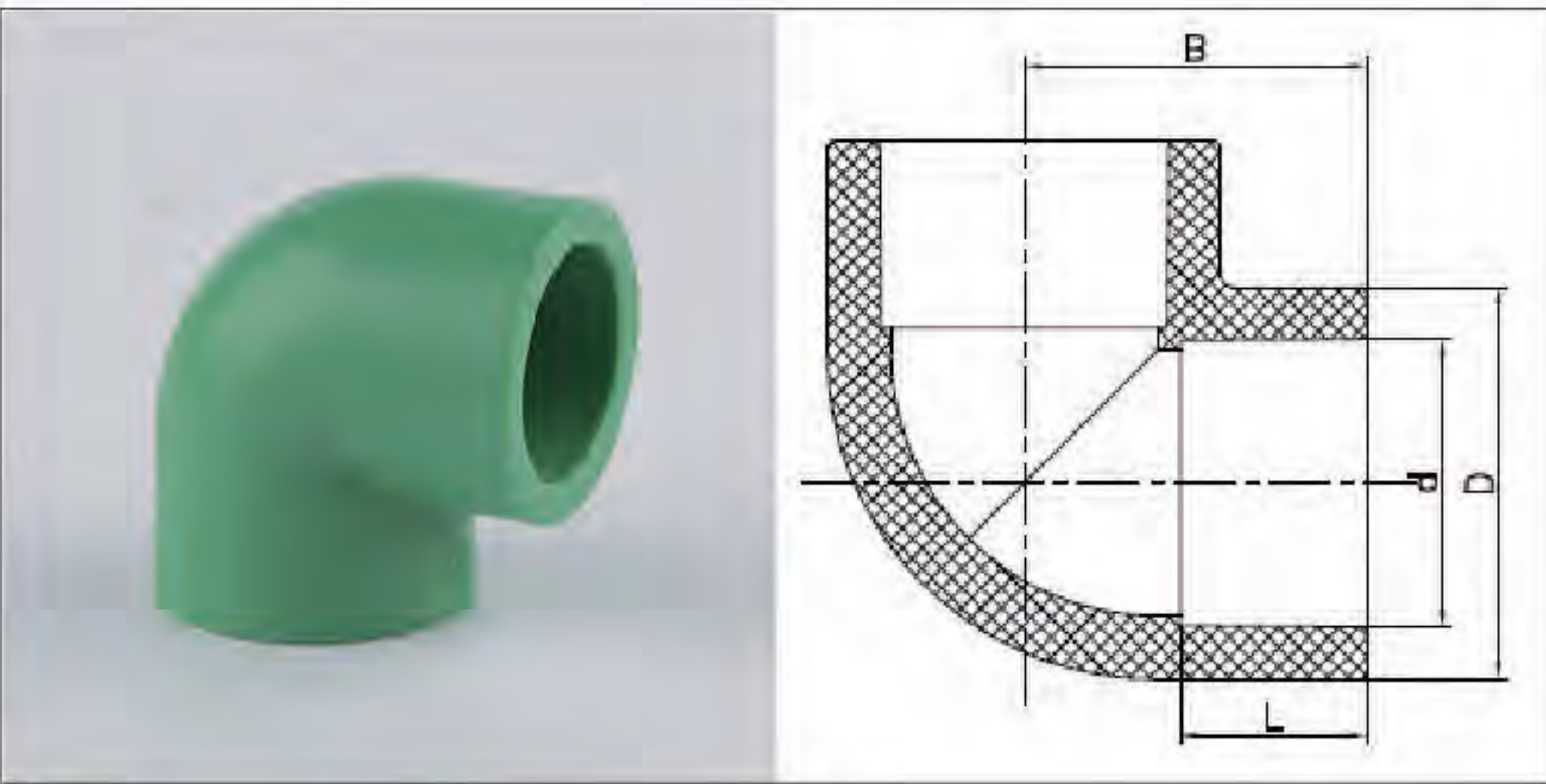
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Supplied form:2.9m Staight lengths



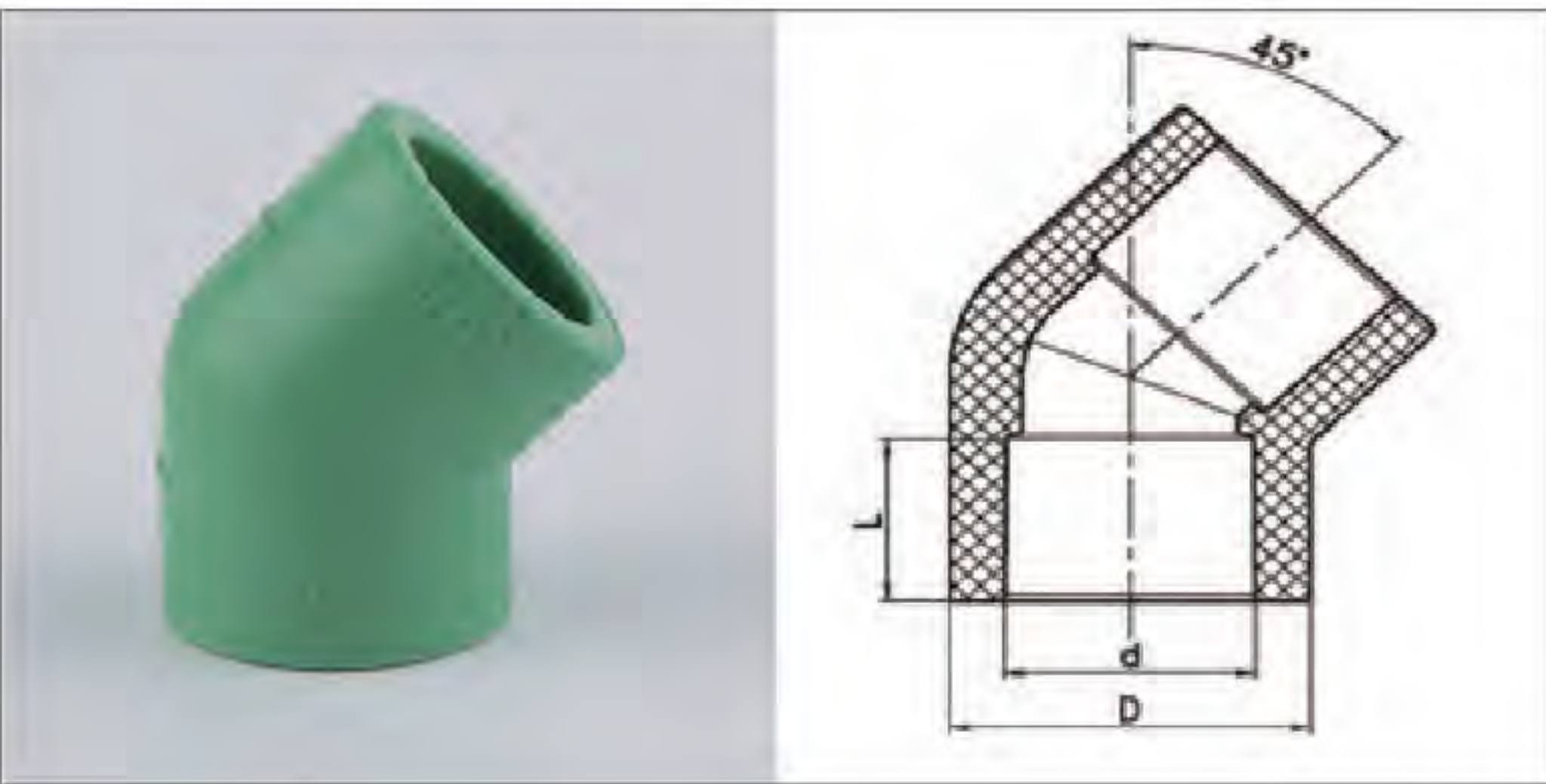
FITTINGS



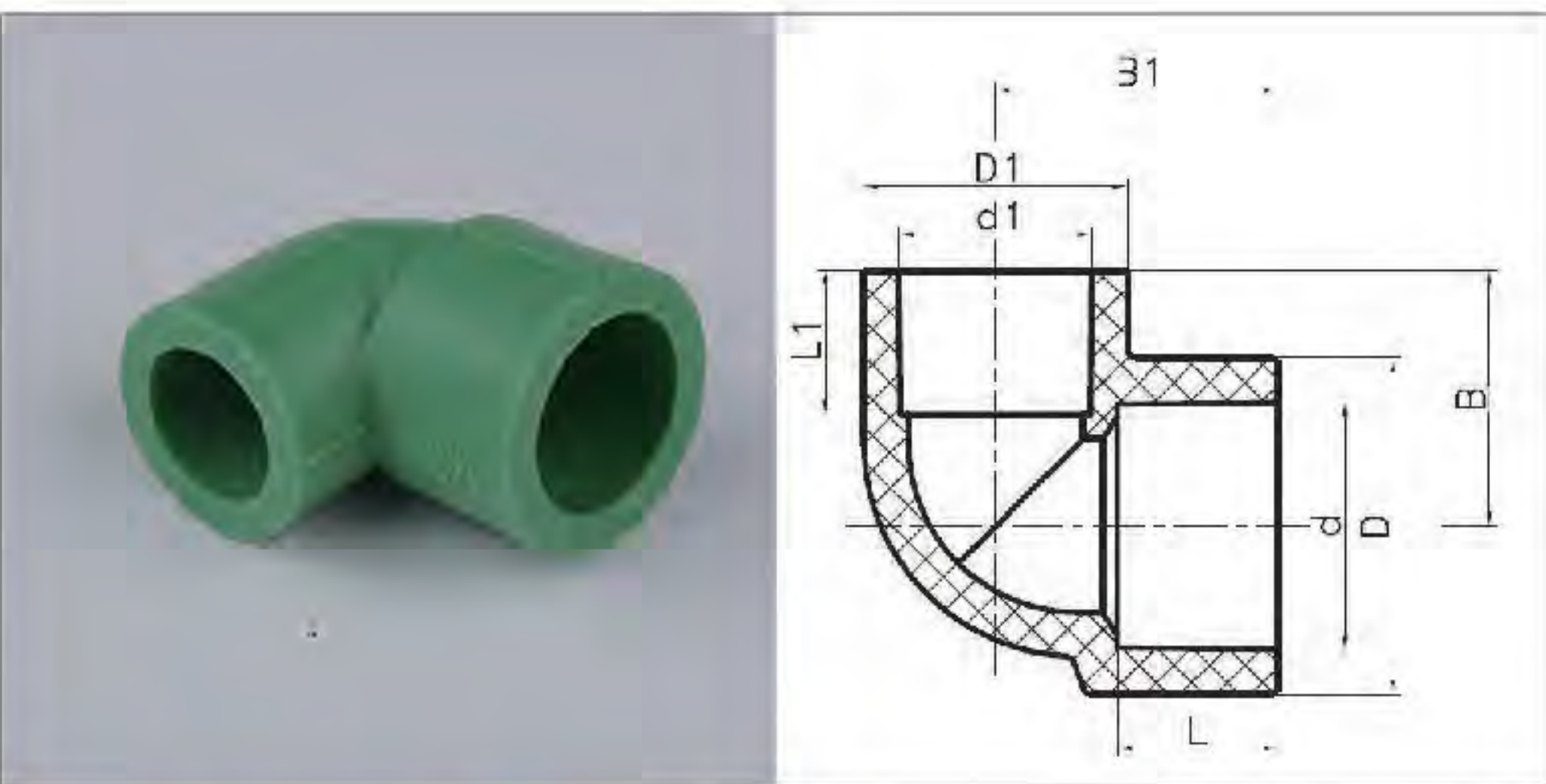
Coupling



90° Elbow



45° Elbow



90°reducing elbow

Coupling

Size (mm)	Item Code	D	d	L	H
20	20020	27.4	19.2	16	34
25	20025	32.8	24.1	18	38.2
32	20032	42.1	31	20	42.5
40	20040	52.6	39	21.5	45.8
50	20050	65.8	49	24	51.3
63	20063	83.2	61.9	28	59.6
75	20075	98.7	73.7	31.5	66
90	20090	118.4	88.4	36	76
110	20110	144.7	108	42	89
160	20160	201.4	157.8	51	107.7

90° Elbow

Size (mm)	Item Code	D	d	L	B
20	21020	27.4	19.2	16	26.6
25	21025	32.8	24.1	18	31.1
32	21032	42.1	31	20	36.7
40	21040	52.6	39	21.5	42.7
50	21050	65.8	49	24	50
63	21063	83.2	61.9	28	60.5
75	21075	98.7	73.7	31.5	70
90	21090	118.4	88.4	36	82
110	21110	144.7	108	42	98
160	21160	201.4	157.8	51	106

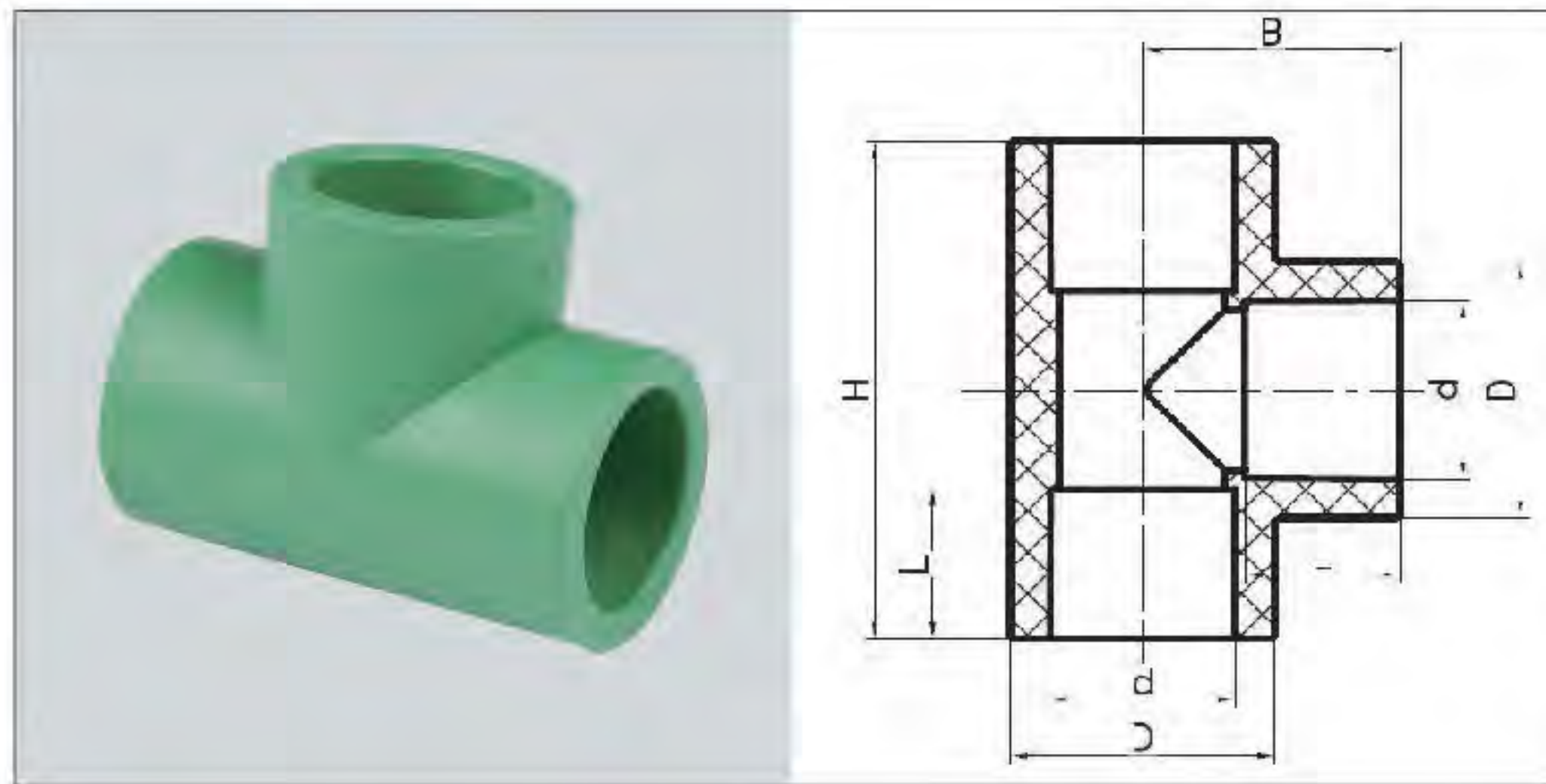
45° Elbow

Size (mm)	Item Code	D	d	L
20	22020	27.4	19.2	16
25	22025	32.8	24.1	18
32	22032	42.1	31	20
40	22040	52.6	39	21.5
50	22050	65.8	49	24
63	22063	83.2	61.9	28
75	22075	98.7	73.7	31.5
90	22090	118.4	88.4	36
110	22110	144.7	108	42
160	22160	201.4	157.8	51

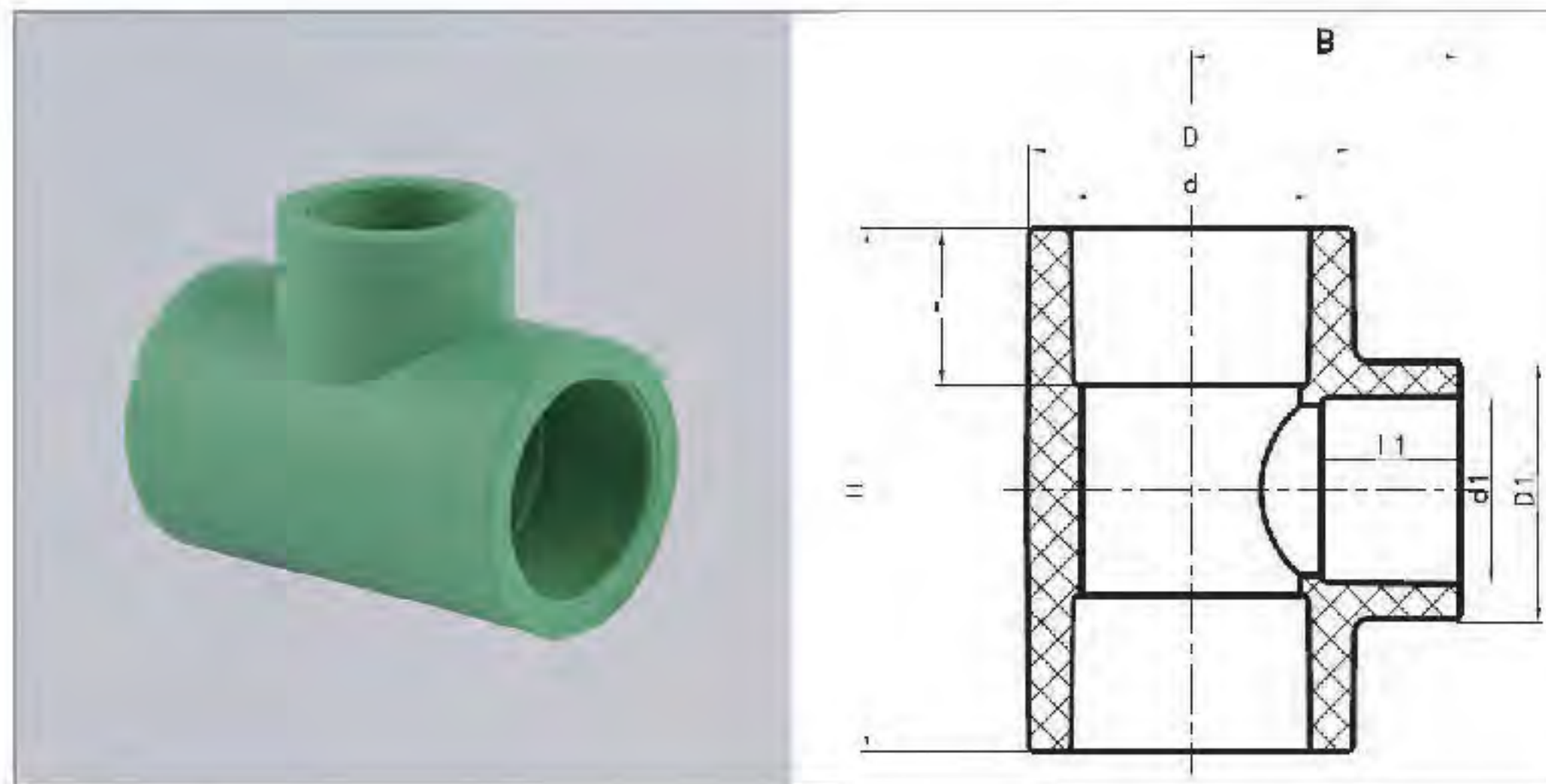
90°reducing elbow

Size (mm)	Item Code	D	d	L	B1	B2
25x20	42520	32.8	24.1	18	32	27.3
32x20	43220	42.1	31	20	32.8	31
32x25	43225	42.1	31	20	35.2	32

FITTINGS



Tee



Reducing Tee

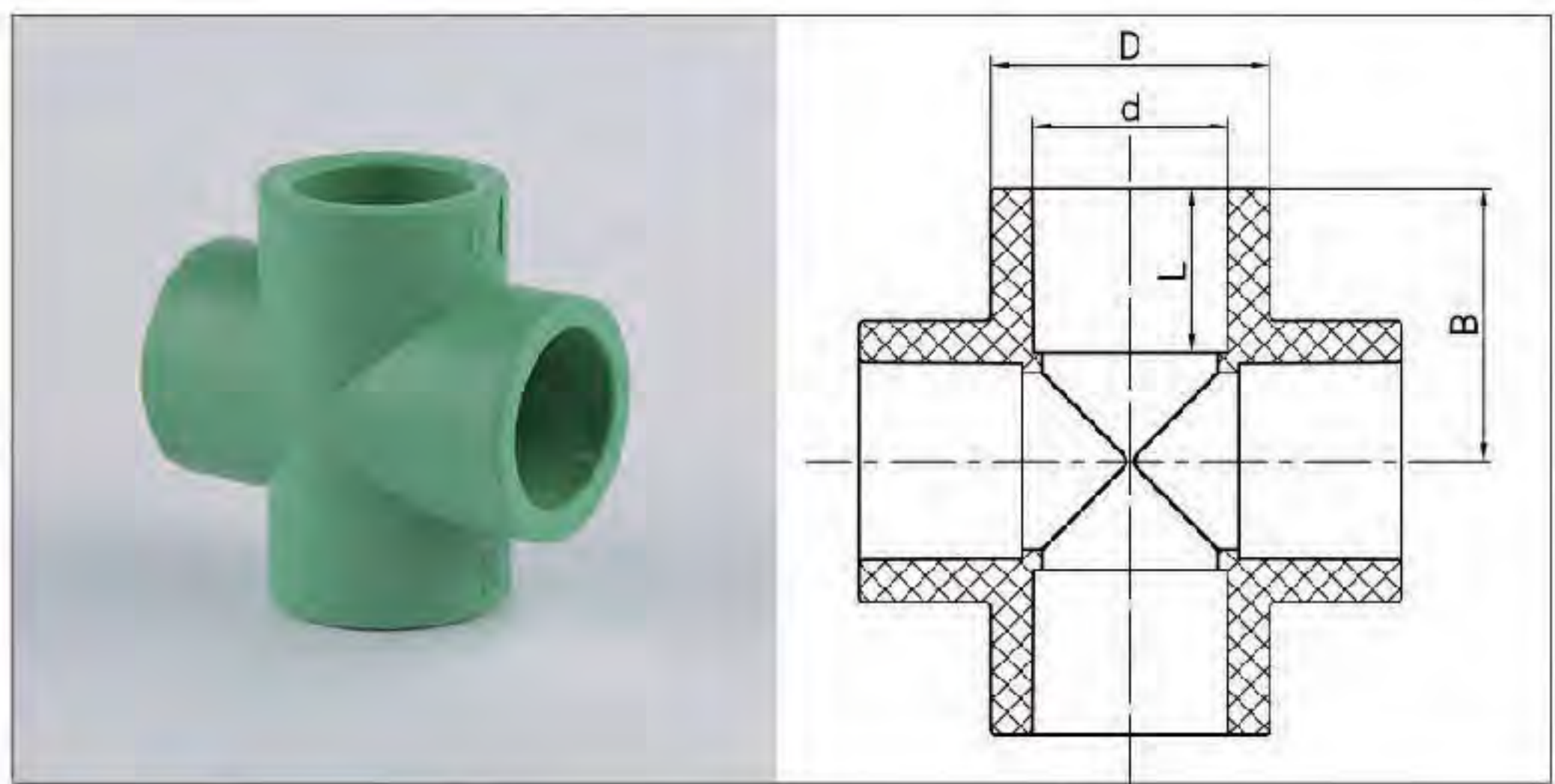
Tee

Size (mm)	Item Code	D	d	L	H	B
20	23020	27.4	19.2	16	53.2	26.6
25	23025	32.8	24.1	18	61	30.5
32	23032	42.1	31	20	74	37
40	23040	52.6	39	21.5	84.7	42.35
50	23050	65.8	49	24	99.9	49.95
63	23063	83.2	61.9	28	121	60.5
75	23075	98.7	73.7	31.5	140	70
90	23090	118.4	88.4	36	164	82
110	23110	144.7	108	42	195	97.5
160	23160	201.4	157.8	51	264.5	132.3

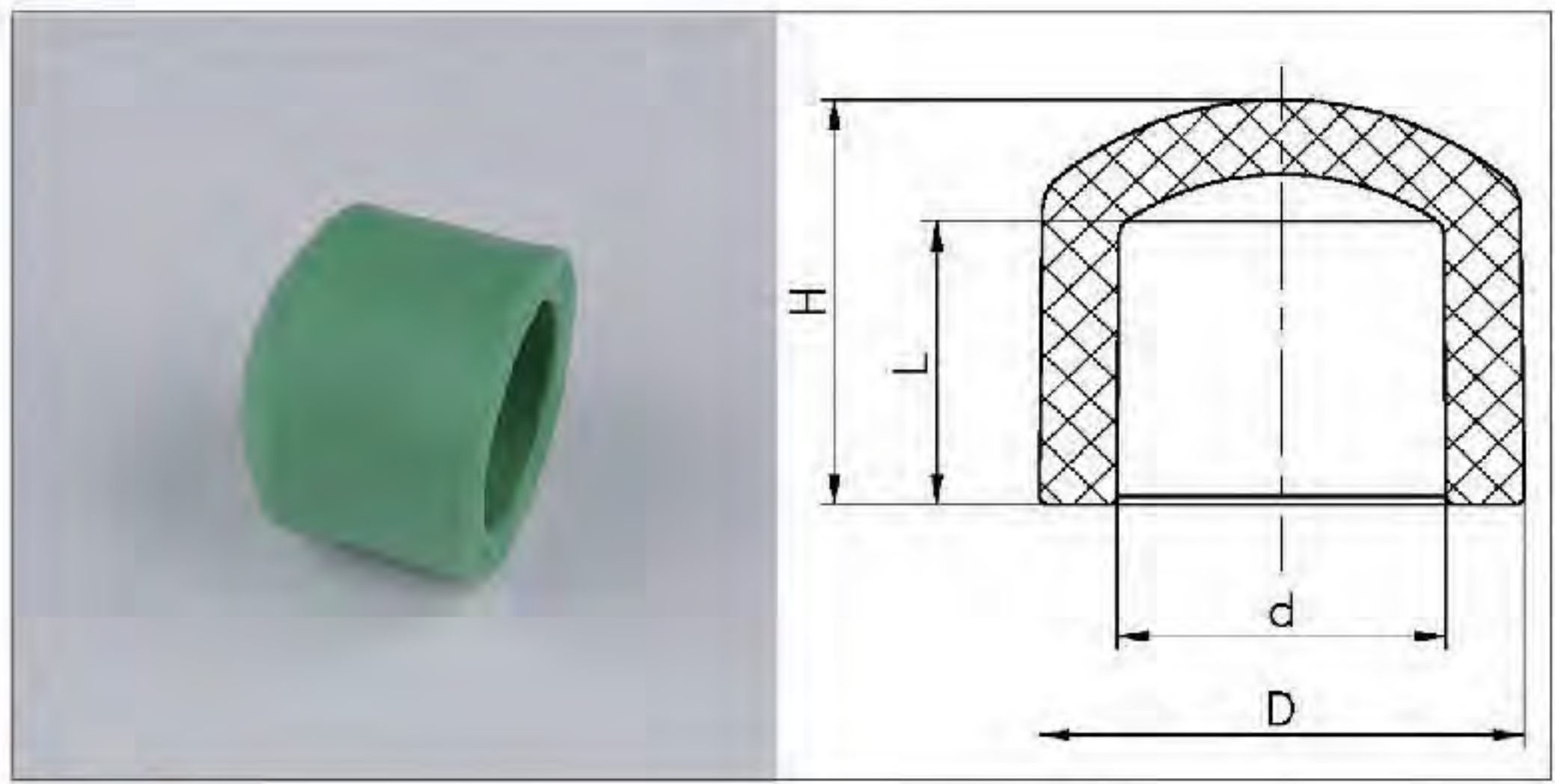
Reducing Tee

Size (mm)	Item Code	D	d	L	D1	d1	L1	H	B
25x20	62520	34	24.1	18	27.4	19.2	16	58	29
32x20	63220	42.1	31	20	27.4	19.2	16	63	33
32x25	63225	42.1	31	20	32.8	24.1	18	66.8	35
40x20	64020	52.6	39	21.5	28.2	19.2	16	67	39
40x25	64025	52.6	39	21.5	34	24.1	18.5	70.5	39.5
40x32	64032	52.6	39	21.5	42.1	31	20	77.4	41.05
50x20	65020	65.8	49	24	28.2	19.2	16.5	71	42.5
50x25	65025	65.8	49	24	34	24.1	18.5	75.5	45
50x32	65032	65.8	49	24	42.1	31	20.5	83	47
50x40	65040	65.8	49	24	52.6	39	21.5	93	50.25
63x20	66320	83.2	61.9	28	28.2	19.2	16	80	50.5
63x25	66325	83.2	61.9	28	34	24.1	18	86	50.5
63x32	66332	83.2	61.9	28	42.1	31	20	91	51.5
63x40	66340	83.2	61.9	28	52.6	39	21.5	97	53.5
63x50	66350	83.2	61.9	28	65.8	49	24	110	57.5
75x32	67532	98.7	73.7	31.5	42.1	31	20	97	56.65
75x40	67540	98.7	73.7	31.5	52.6	39	21.5	105	59.4
75x50	67550	98.7	73.7	31.5	65.8	49	24	115	61.5
75x63	67563	98.7	73.7	31.5	83.2	61.9	28	127	66.4
90x40	69040	118.4	88.2	36	52.6	39	21.5	113.5	67.5
90x50	69050	118.4	88.2	36	65.8	49	24	123	69.3
90x63	69063	118.4	88.2	36	83.2	61.9	28	137.5	73.3
90x75	69075	118.4	88.2	36	98.7	73.7	31.5	148.5	77.3
110x50	61150	144.7	108	42	65.8	49	24	136	81.5
110x63	61163	144.7	108	42	83.2	61.9	28	148	83.75
110x75	61175	144.7	108	42	98.7	73.7	31.5	162.5	89.5
110x90	61190	144.7	108	42	118.4	88.4	36	174.5	95.5
160x110	61611	201.4	157.4	51	144.7	108	42	211	

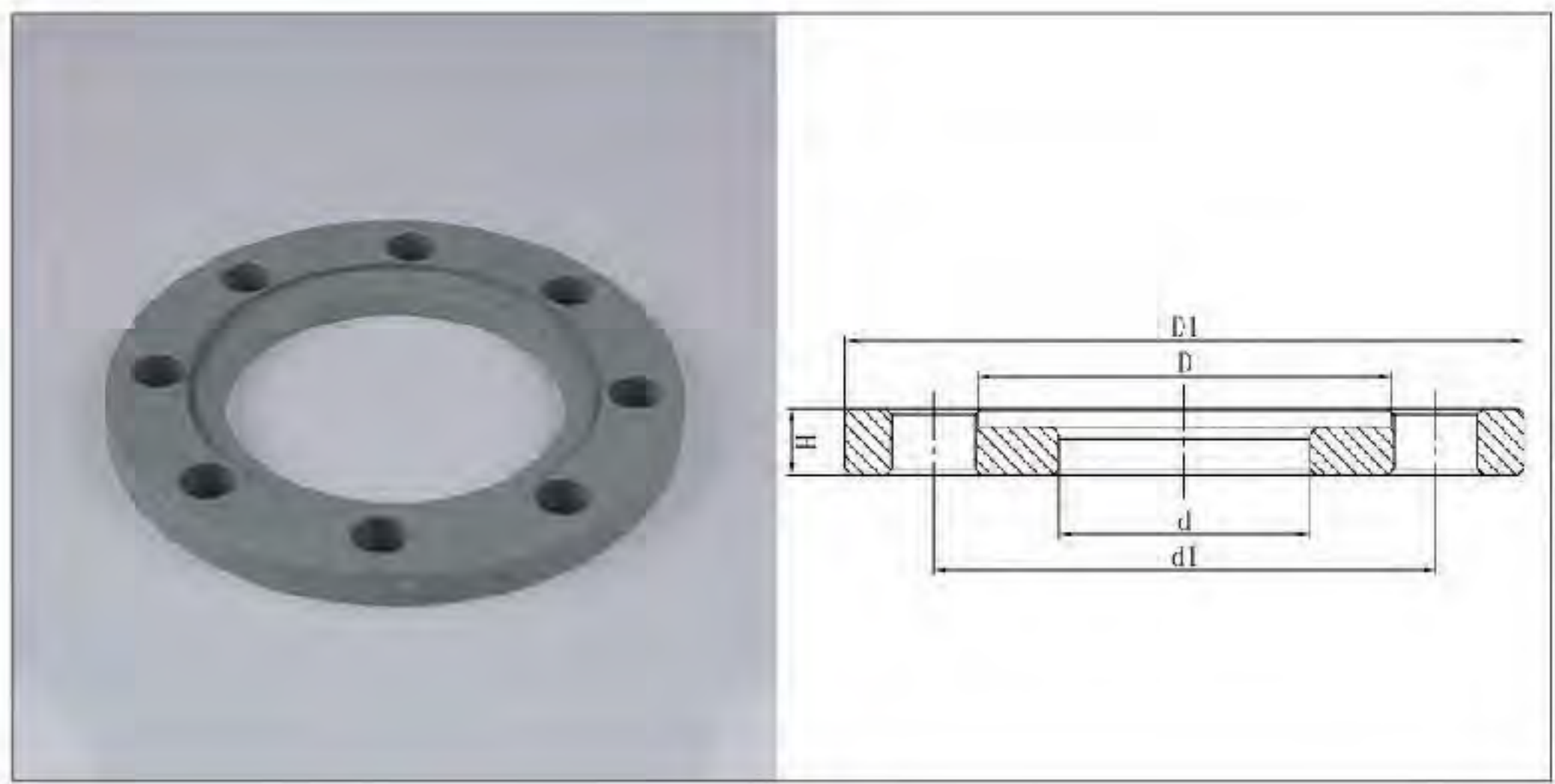
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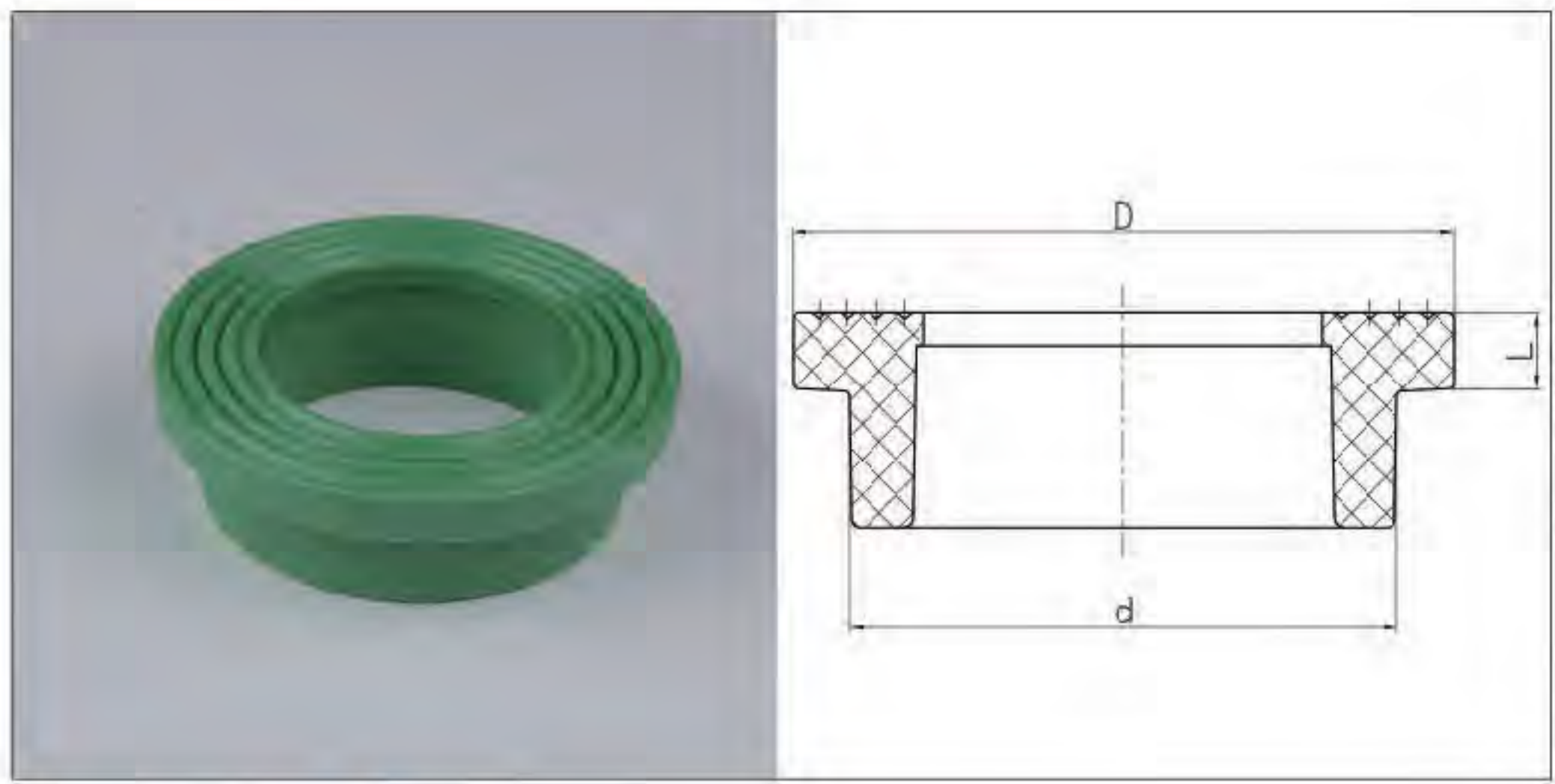
Cross



Cap



Flange



Flange Core

Cross

Size (mm)	Item Code	D	d	L	B
20	25020	27.4	19.2	16	26.5
25	25025	32.8	24.1	18	31.5
32	25032	42.1	31	20	37

Cap

Size (mm)	Item Code	D	d	L	R	H
20	24020	28.4	19.2	17.2		24.5
25	24025	34.3	24.1	20.4		29
32	24032	42.4	31	23.6		32.8
40	24040	52.2	39	21.5		39
50	24050	65.5	49	24		47
63	24063	83	61.9	28		58.7
75	24075	98.7	73.7	31.5		59.1
90	24090	118.5	88.4	36		68
110	24110	144.5	108	42		74.5
160	24160					

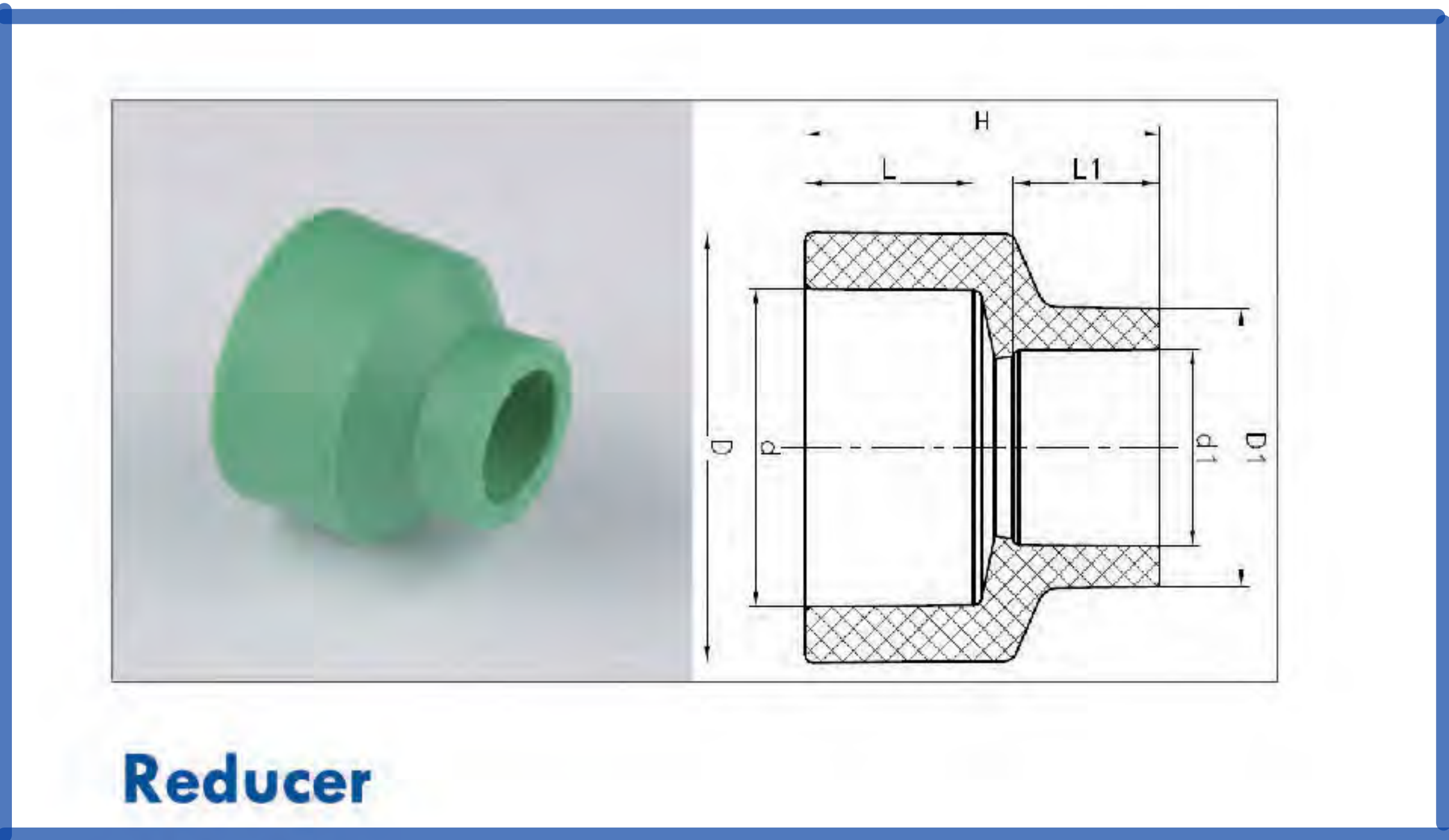
Flange

Size (mm)	Item Code	D	d	L	R	H
32	27032	70	115	42.5	85	11
40	27040	78	135	56	100	13
50	27050	89	145	68	110	13
63	27063	103	160	85.5	125	14
75	27075	123.5	180	97	145	14
90	27090	140	195	115.5	160	15
110	27110	160	215	141	180	16
160	27160	214	280	199	240	19

Flange Core

Size (mm)	Item Code	D	d	L	R	H
32	26032	69	41.2	9.6		
40	26040	77.7	53.5	12.4		
50	26050	87.7	66.7	14.6		
63	26063	101.8	84	14.6		
75	26075	122	95.3	12.6		
90	26090	138.5	114	15.2		
110	26110	157.8	138.5	18		
160	26160	215	198.5	18.5		

FITTINGS



Reducer

Reducer

Size (mm)	Item Code	D	d	L	D1	d1	L1	H
25x20	32520	32.4	24.1	18	26.1	19.2	16	34
32x20	33220	42	31	20	26.1	19.2	16	37.3
32x25	33225	42	31	20	32.4	24.1	18	41.2
40x20	34020	52.2	39	21.5	26.1	19.2	16	39
40x25	34025	52.2	39	21.5	32.4	24.1	18	42
40x32	34032	52.2	39	21.5	42	31	20	44
50x20	35020	65.5	49	24	26.1	19.2	16	42
50x25	35025	65.5	49	24	32.4	24.1	18	42.5
50x32	35032	65.5	49	24	42	31	20	47
50x40	35040	65.5	49	24	52.2	39	21.5	48.5
63x20	36320	83	61.9	28	26.1	19.2	16	48
63x25	36325	83	61.9	28	32.4	24.1	18	52.5
63x32	36332	83	61.9	28	42	31	20	50
63x40	36340	83	61.9	28	52.2	39	21.5	56
63x50	36350	83	61.9	28	65.5	49	24	56
75x32	37532	98.7	73.7	31.5	42	31	20	60
75x40	37540	98.7	73.7	31.5	52.2	39	21.5	62
75x50	37550	98.7	73.7	31.5	65.5	49	24	64
75x63	37563	98.7	73.7	31.5	83	61.9	28	61.5
90x40	39040	118.5	88.4	36	52.2	39	21.5	63
90x50	39050	118.5	88.4	36	65.5	49	24	69.5
90x63	39063	118.5	88.4	36	83	61.9	28	74
90x75	39075	118.5	88.4	36	98.7	73.7	31.5	77
110x50	31150	144.5	108	42	65.5	49	24	68.5
110x63	31163	144.5	108	42	83	61.9	28	80
110x75	31175	144.5	108	42	98.7	73.7	31.5	81
110x90	31190	144.5	108	42	118.5	88.4	36	86
160x110	31611	201.5	157.2	50.5	144.5	108	42	90

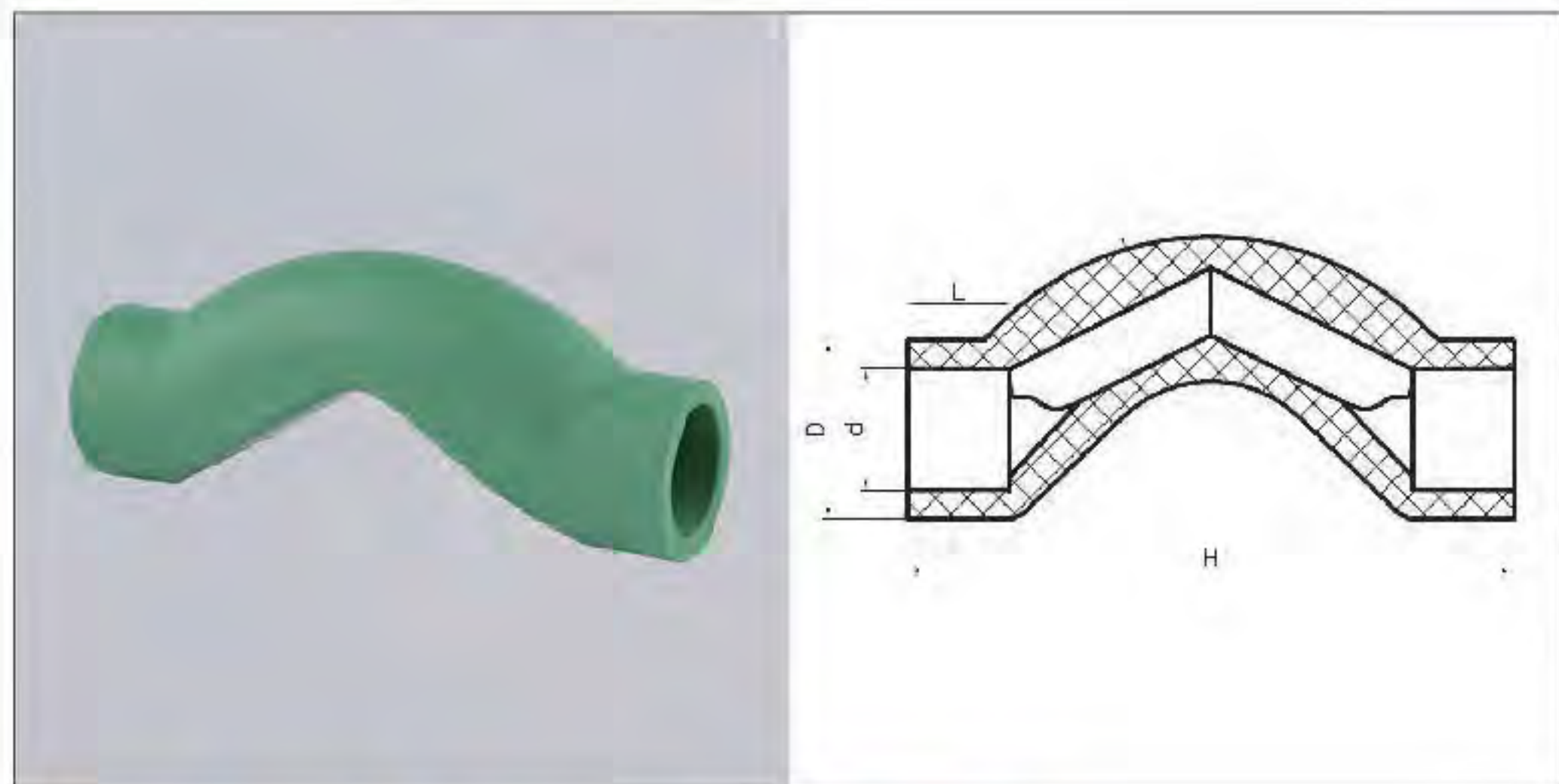
Internal/External Reducer

Size (mm)	Item Code	D	d	L	B	H
20	28020	22	19.2	22.5	23.5	49.5
25	28025	33.5	24.1	23	23.5	53
32	28032	41.5	31	27.5	24.7	61

Plastic Union

Size (mm)	Item Code	D	d	L	B	H
20	28020	22	19.2	22.5	23.5	49.5
25	28025	33.5	24.1	23	23.5	53
32	28032	41.5	31	27.5	24.7	61

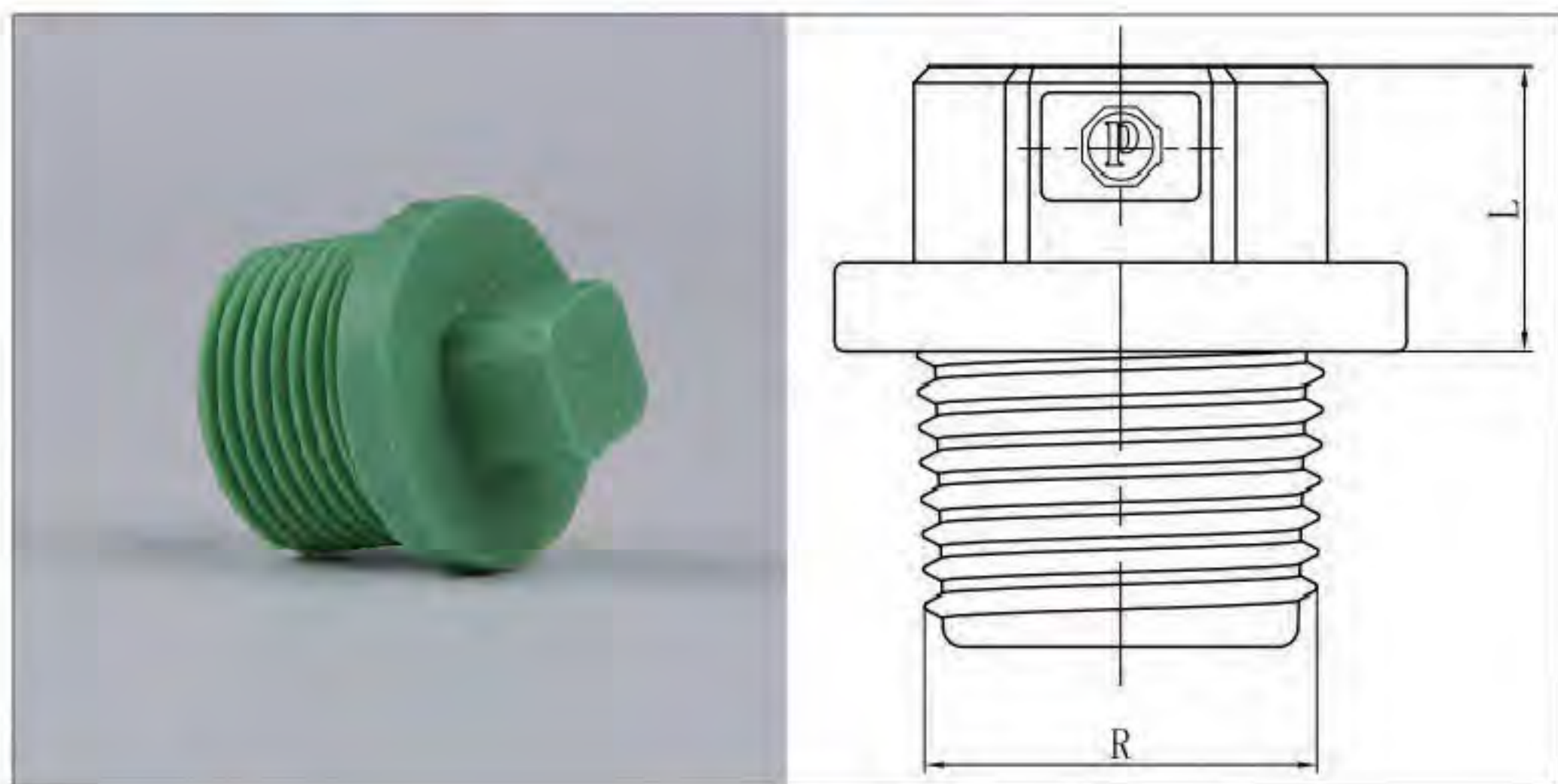
FITTINGS



Over Bridge Bow (short)

Over Bridge Bow (short)

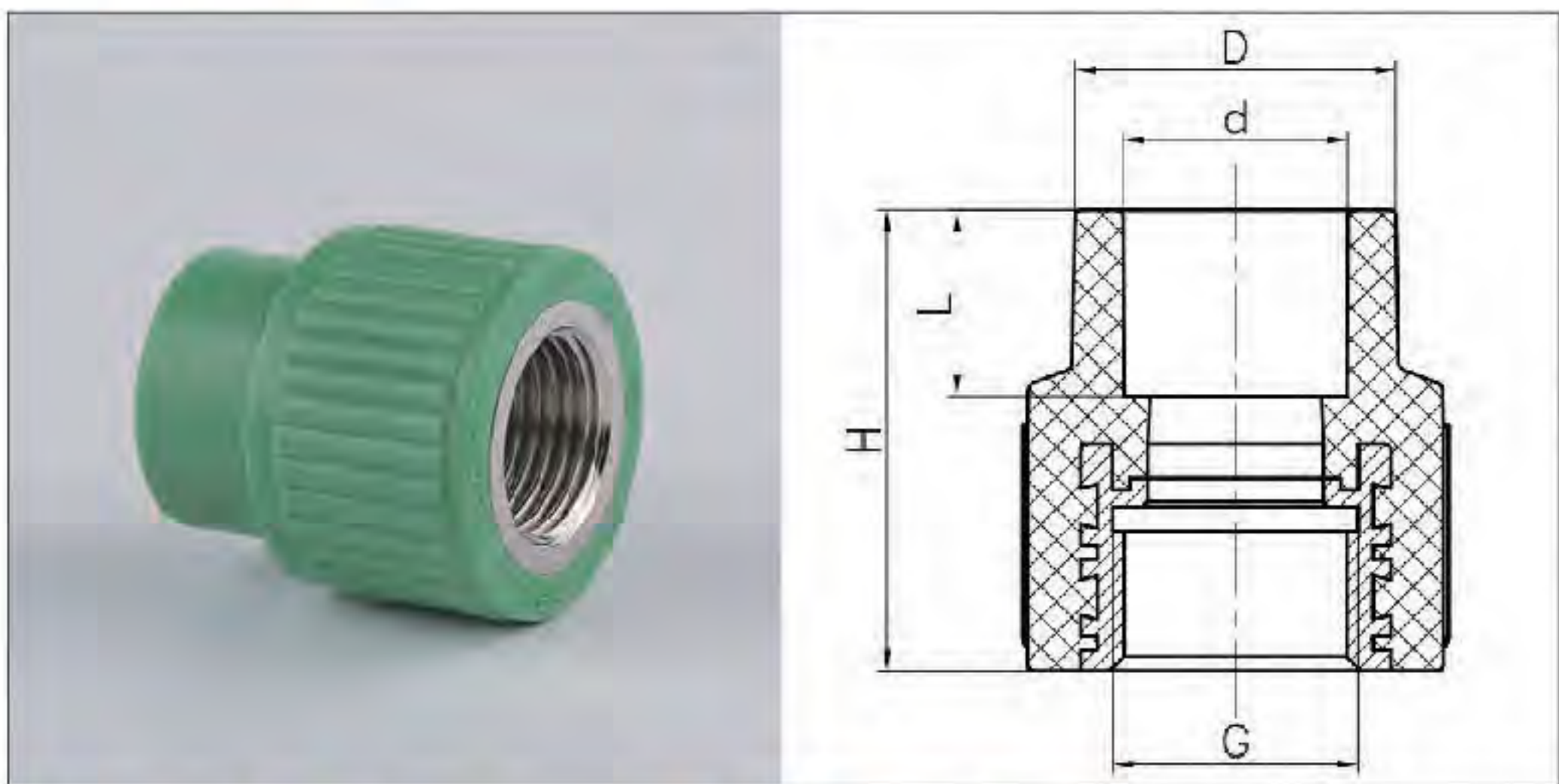
Size (mm)	Item Code	D	d	L	H
20	29020C	28.2	19.2	16	95.5
25	29025C	34	24.1	18	121
32	29032C	42.5	31	20	154



Pipe Plug

Pipe Plug

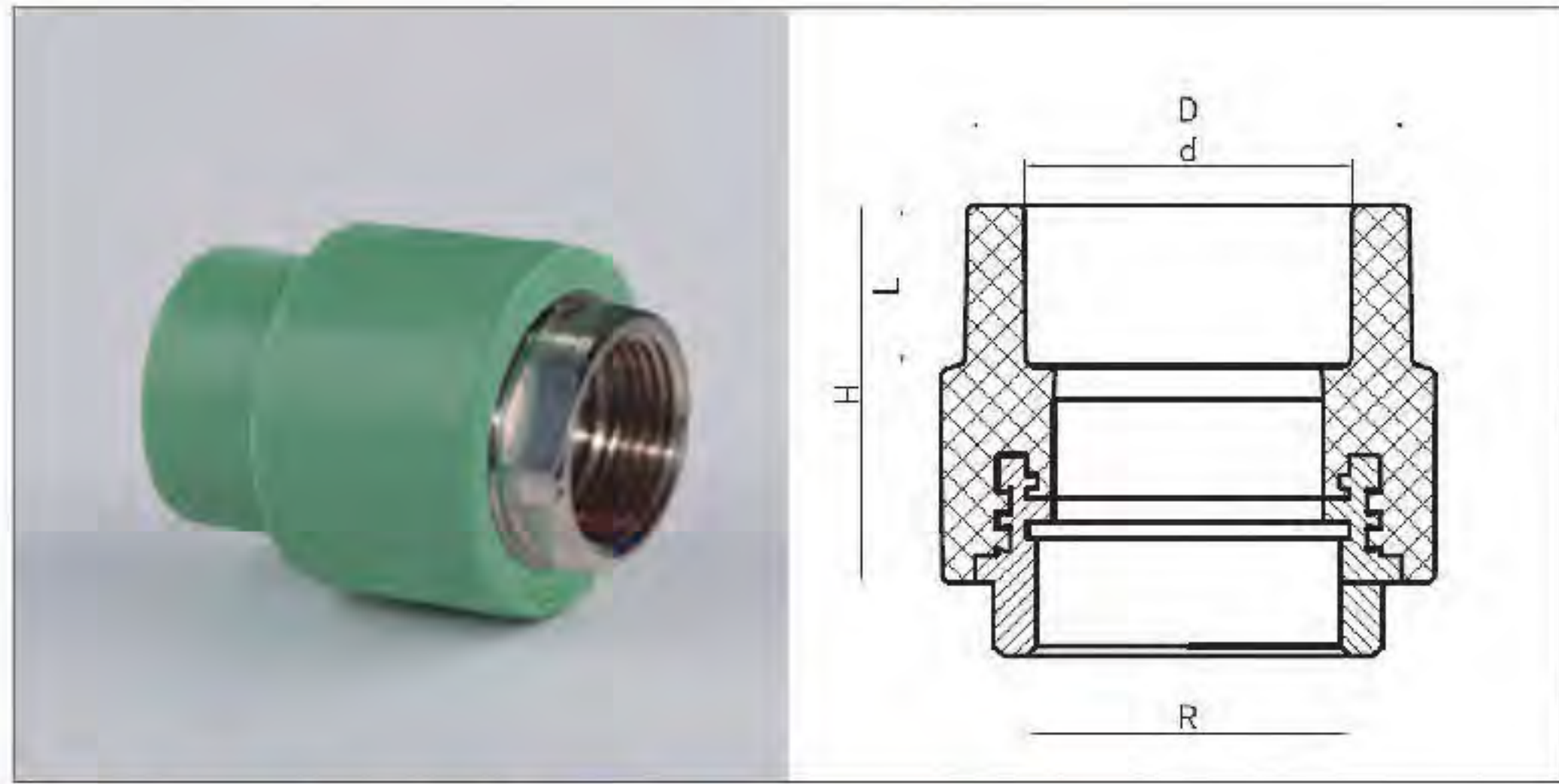
Size (mm)	Item Code	D	d	L	R	H
1/2"	30020	1/2"		14.5		
3/4"	30025	3/4"		16		



Female Threaded Coupling

Female Threaded Coupling

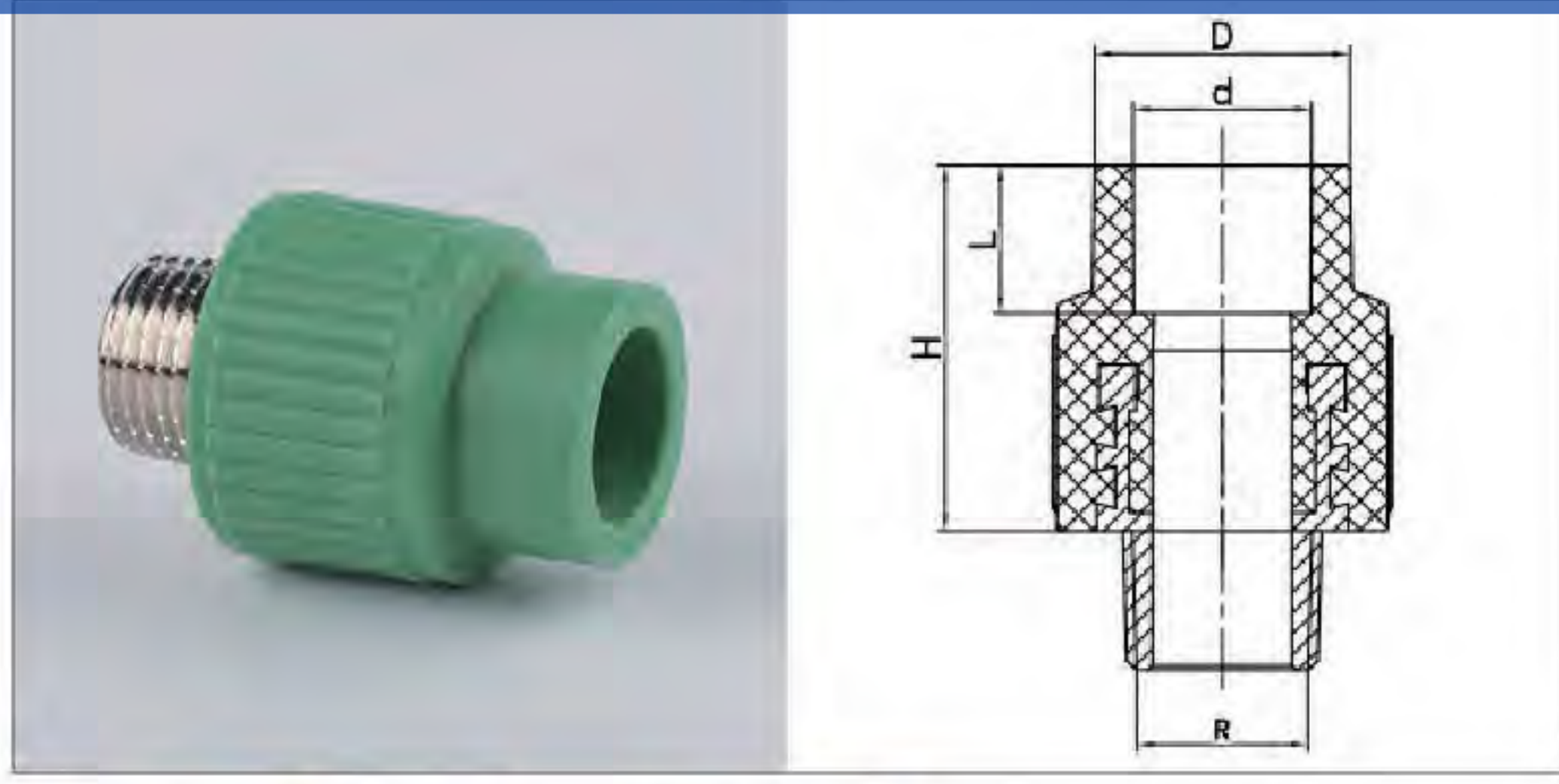
Size (mm)	Item Code	D	d	L	H	G
20xRP1/2"f	702012	27.4	19.2	16	39.5	1/2"
20*RP3/4"f	702034	27.4	19.2	16	40.5	3/4"
25xRP1/2"f	702512	32.8	24.1	18	41.5	1/2"
25xRP3/4"f	702534	32.8	24.1	18	42.5	3/4"
32xRP3/4"f	703234	42.1	31	20	45.2	3/4"



Feale Threaded Coupling

Feale Threaded Coupling

Size (mm)	Item Code	D	d	L	H	G
32xRP1"f	703210	42.1	31	20	46	1"
40xRP1-1/4"f	704014	52.6	39	21.5	47.5	1-1/4"
50xRP1-1/2"f	705012	65.8	49	24	56.2	1-1/2"
63xRP2"f	706320	83.2	61.9	28	61	2"

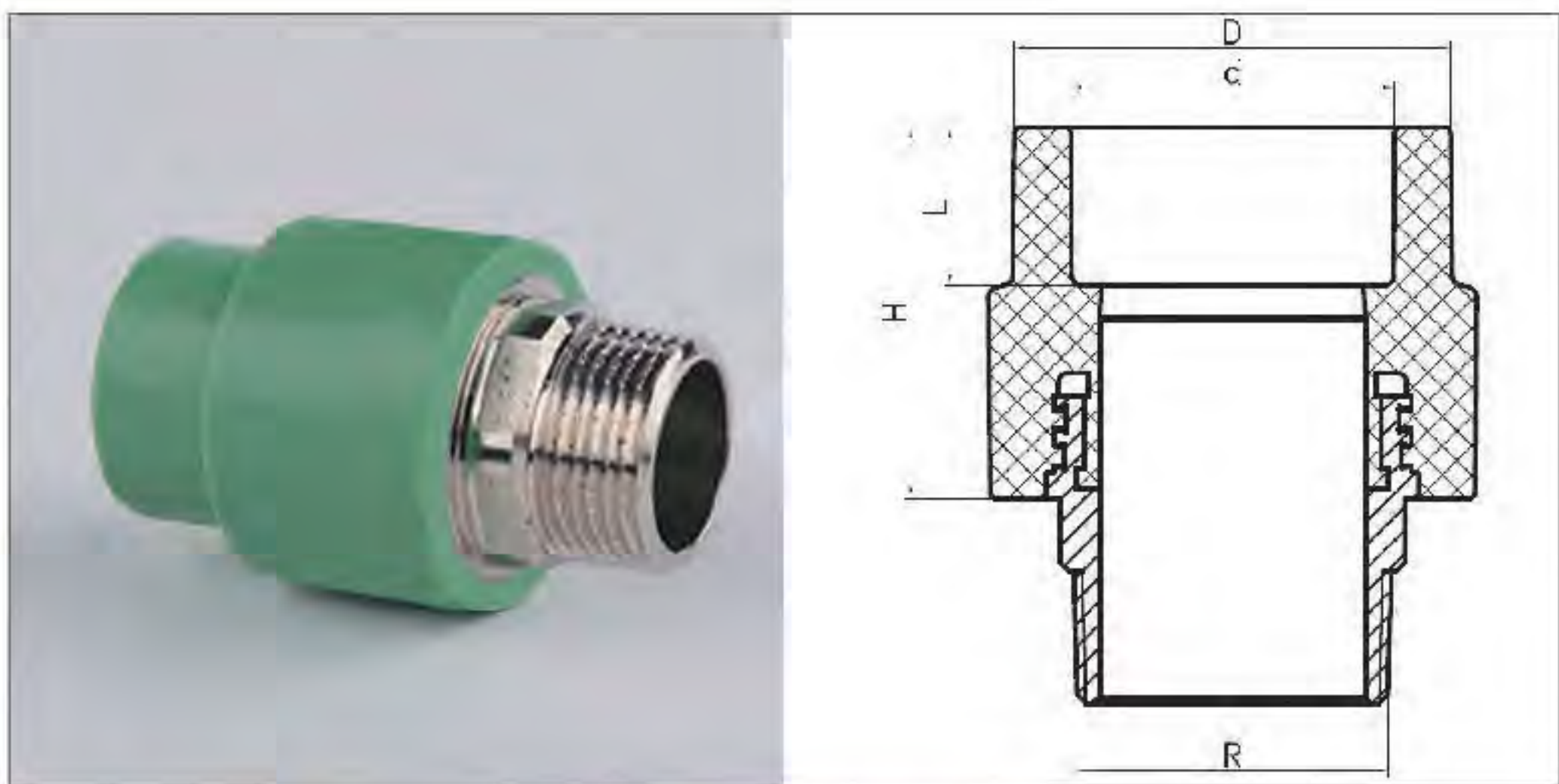


Male Threaded Coupling

Male Threaded Coupling

Size (mm)	Item Code	D	d	L	H	G
20xR1/2"m	712012	27.4	19.2	16	39.5	1/2"
20*R3/4"m	712034	27.4	19.2	16	40.5	3/4"
25xR1/2"m	712512	32.8	24.1	18	41.5	1/2"
25xR3/4"m	712534	32.8	24.1	18	42.5	3/4"
32xR3/4"m	713234	42.1	31	20	45.2	3/4"

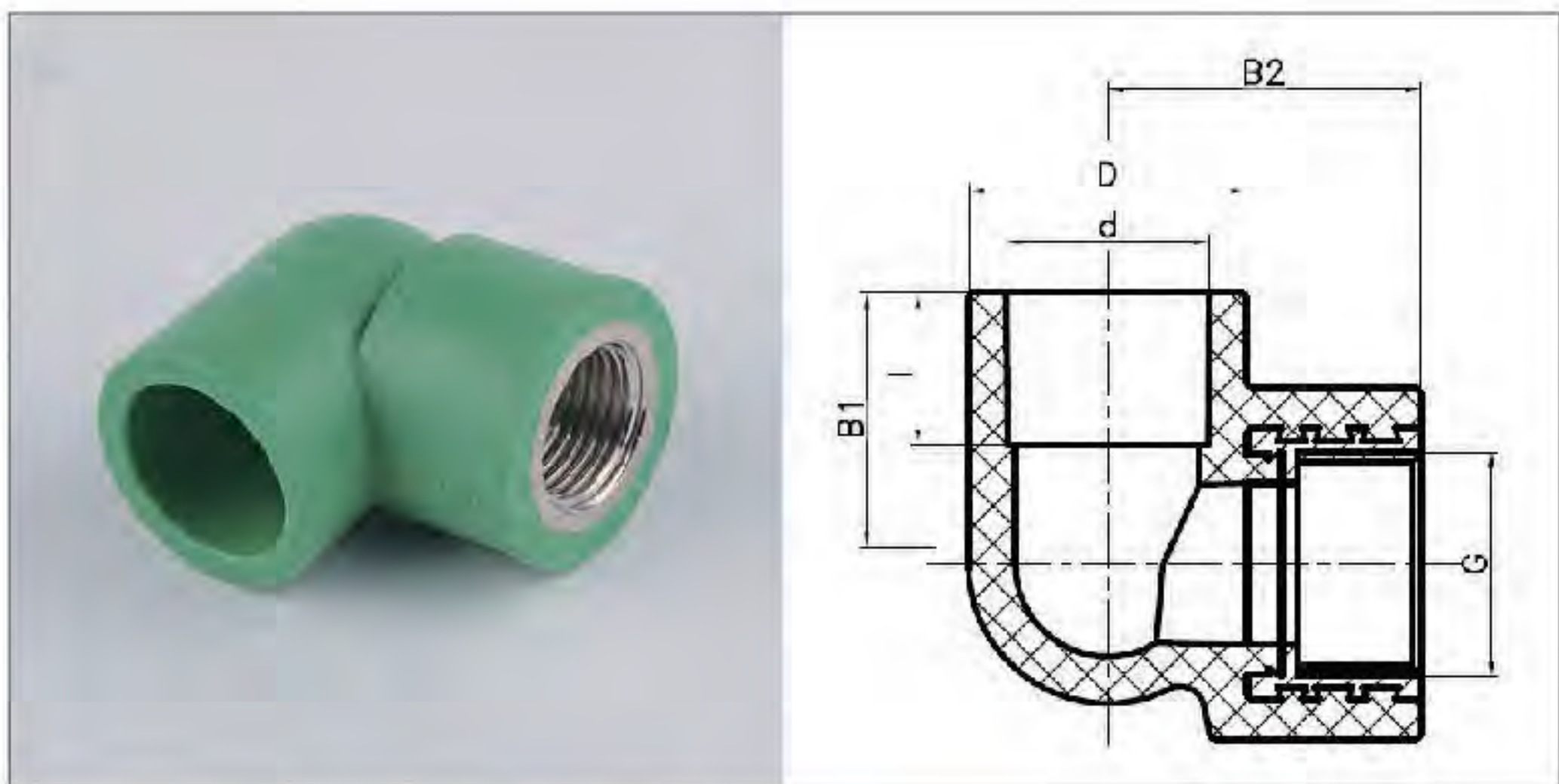
FITTINGS



Male Threaded Coupling

Male Threaded Coupling

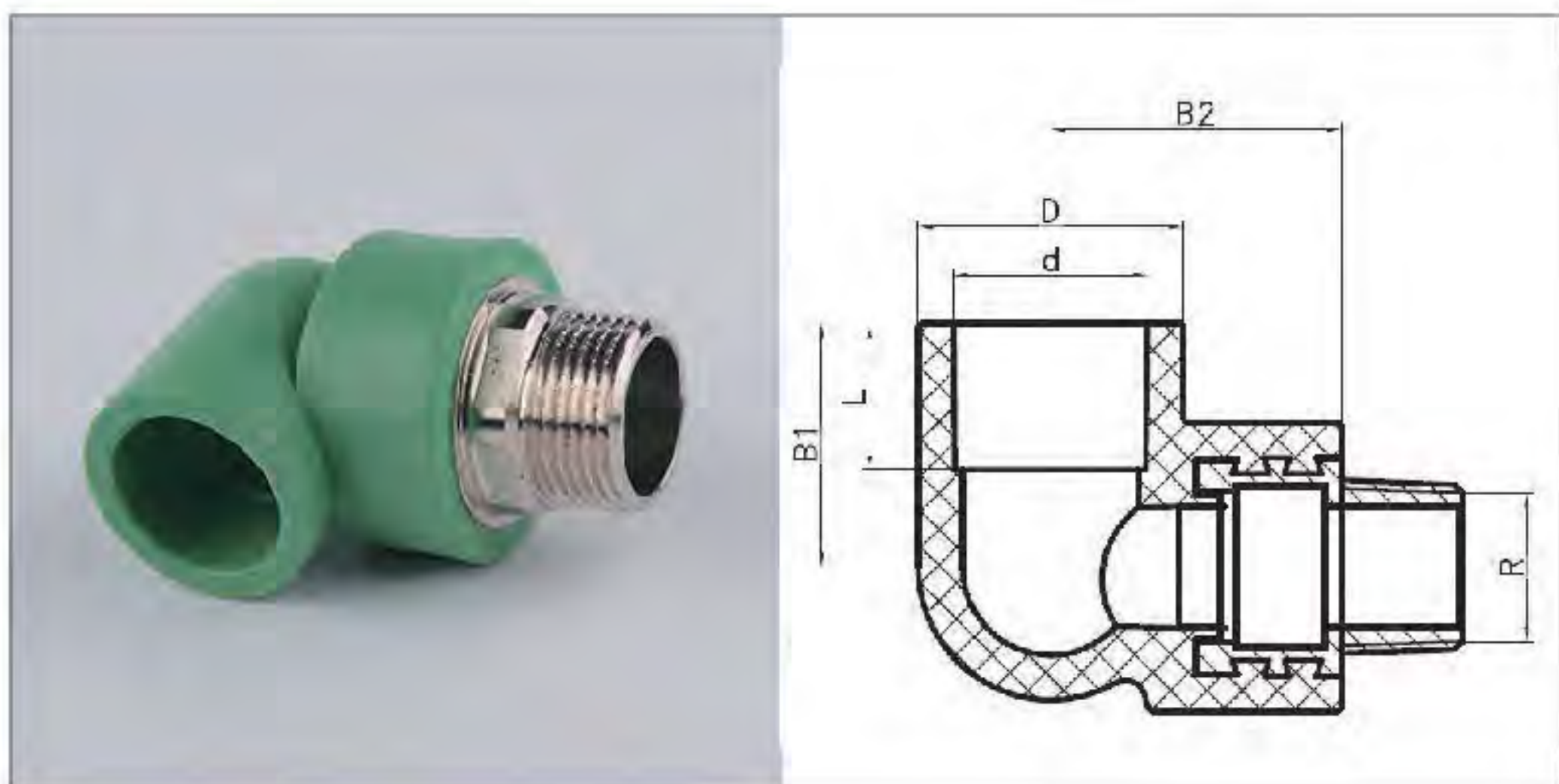
Size (mm)	Item Code	D	d	L	H	R
32xR1"m	713210	42.1	31	20	46	1"
40xR1-1/4"m	714014	52.6	39	21.5	47.5	1-1/4"
50xR1-1/2"m	715012	65.8	49	24	56.2	1-1/2"
63xR2"m	716320	83.2	61.9	28	61	2"



Female Threaded Elbow

Female Threaded Elbow

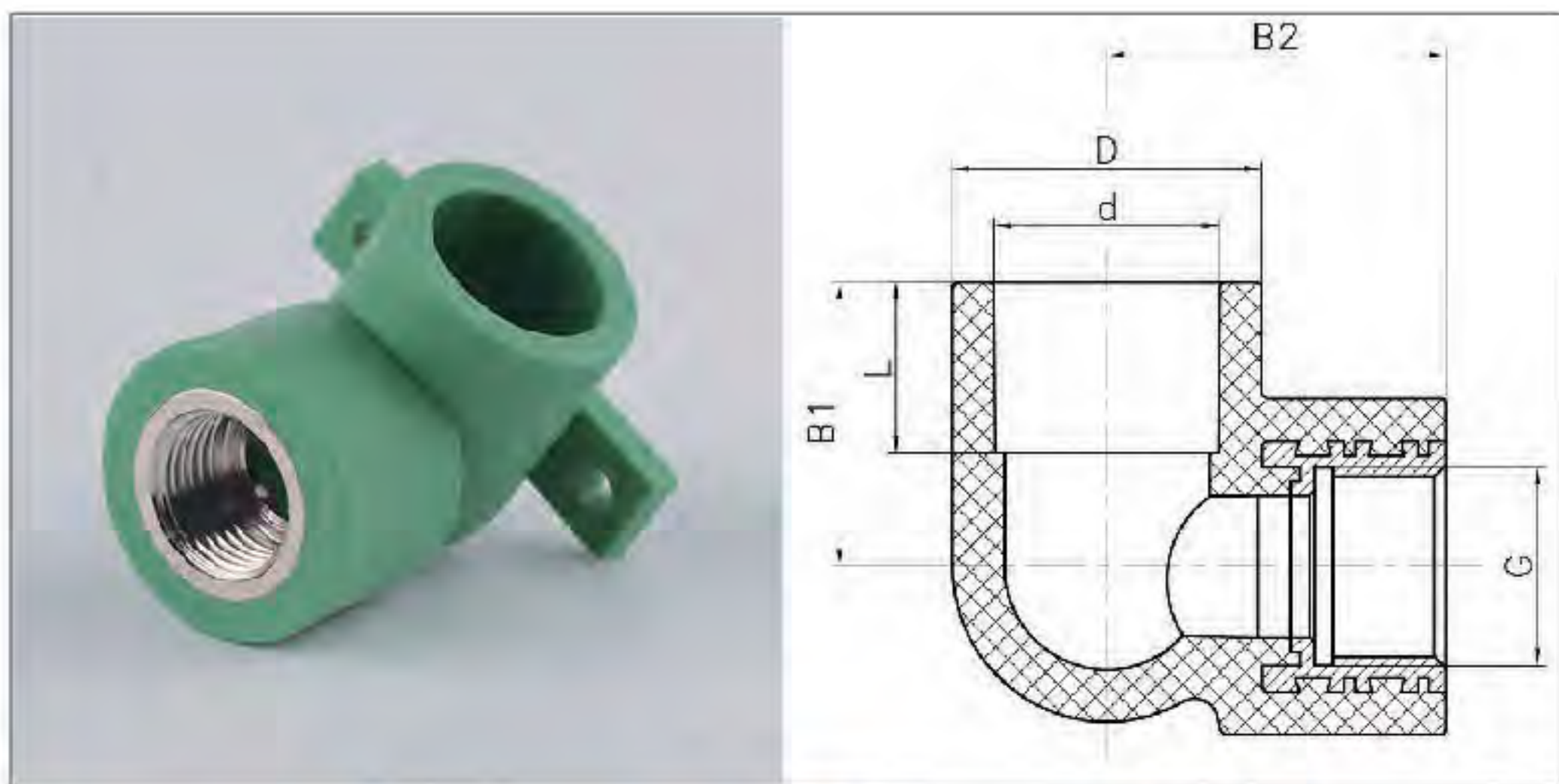
Size (mm)	Item Code	D	d	L	B1	B2	R
20xRP1/2"f	722012	27.4	19.2	16	27	33.5	1/2"
20xRP3/4"f	722034	27.4	19.2	16	30	34.5	3/4"
25xRP1/2"f	722512	32.8	24.1	18	30	36	1/2"
25xRP3/4"f	722534	32.8	24.1	18	32	37	3/4"
32xRP1/2"f	723212	42.1	31	20	34	40	1/2"
32xRP3/4"f	723234	42.1	31	20	34	42	3/4"
32xRP1"f	723210	42.1	31	20	38.5	39	1"



Male Threaded Elbow

Male Threaded Elbow

Size (mm)	Item Code	D	d	L	B1	B2	R
20xR1/2"m	752012	27.4	19.2	16	27	33.5	1/2"
20xR3/4"m	752034	27.4	19.2	16	30	34.5	3/4"
25xR1/2"m	752512	32.8	24.1	18	30	36	1/2"
25xR3/4"m	752534	32.8	24.1	18	32	37	3/4"
32xR1/2"m	753212	42.1	31	20	34	40	1/2"
32xR3/4"m	753234	42.1	31	20	34	42	3/4"
32xR1"m	753210	42.1	31	20	38.5	39	1"

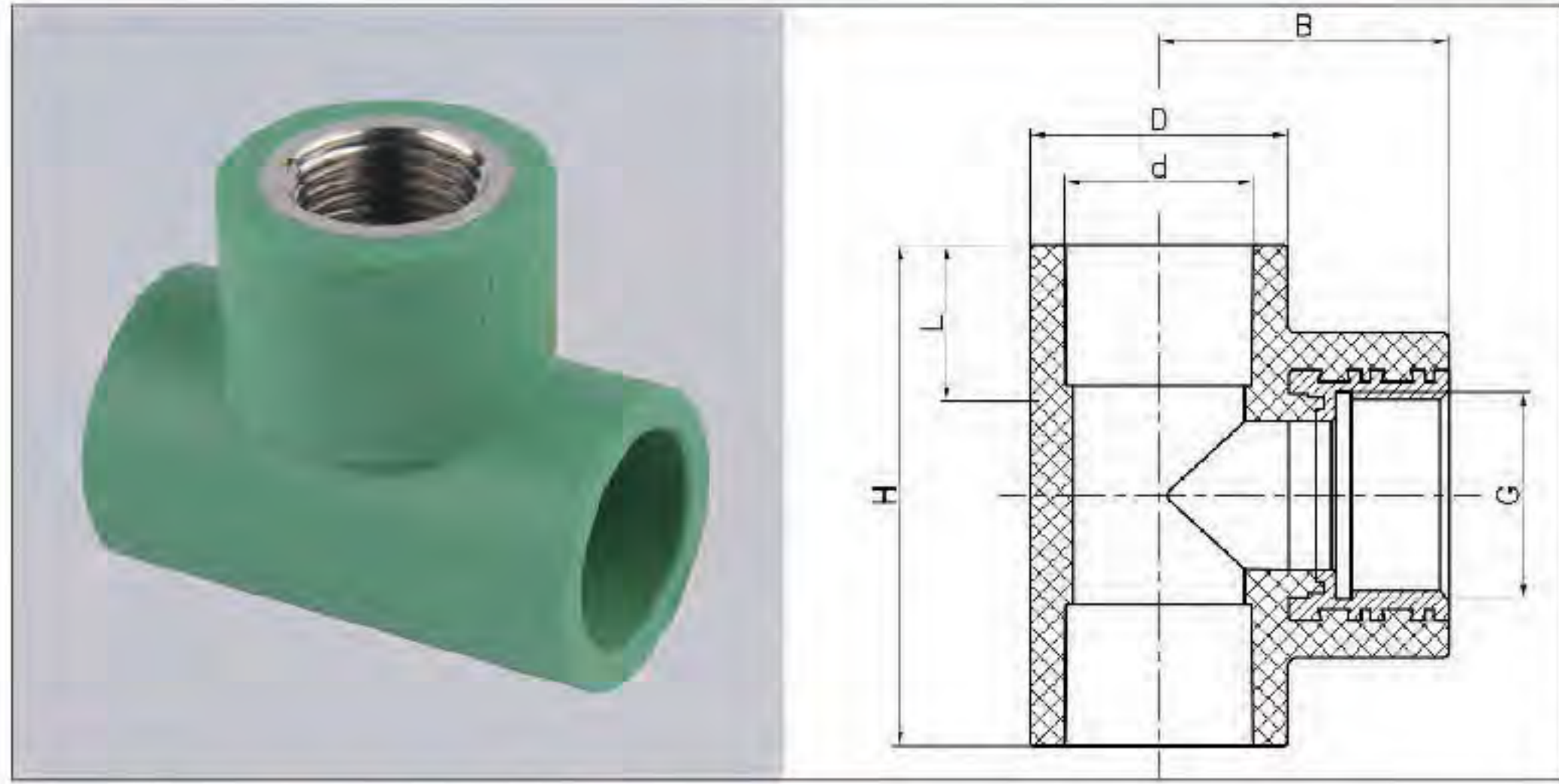


Female Threaded Elbow W/disk

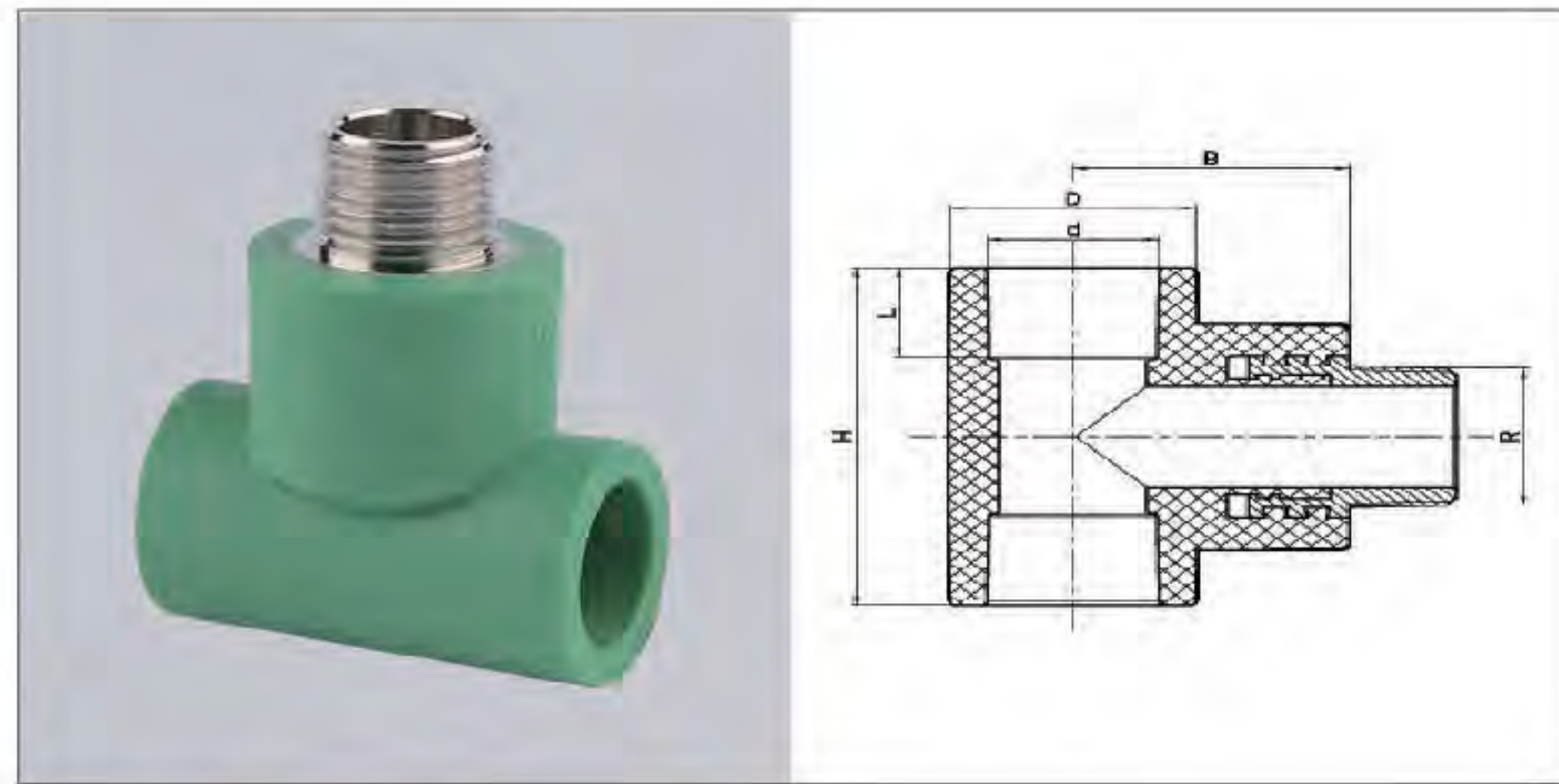
Female Threaded Elbow W/disk

Size (mm)	Item Code	D	d	L	H
20xRP1/2"f	742012	28.4	19.2	16	44.7
25xRP1/2"f	742512	34	24	18	44.7

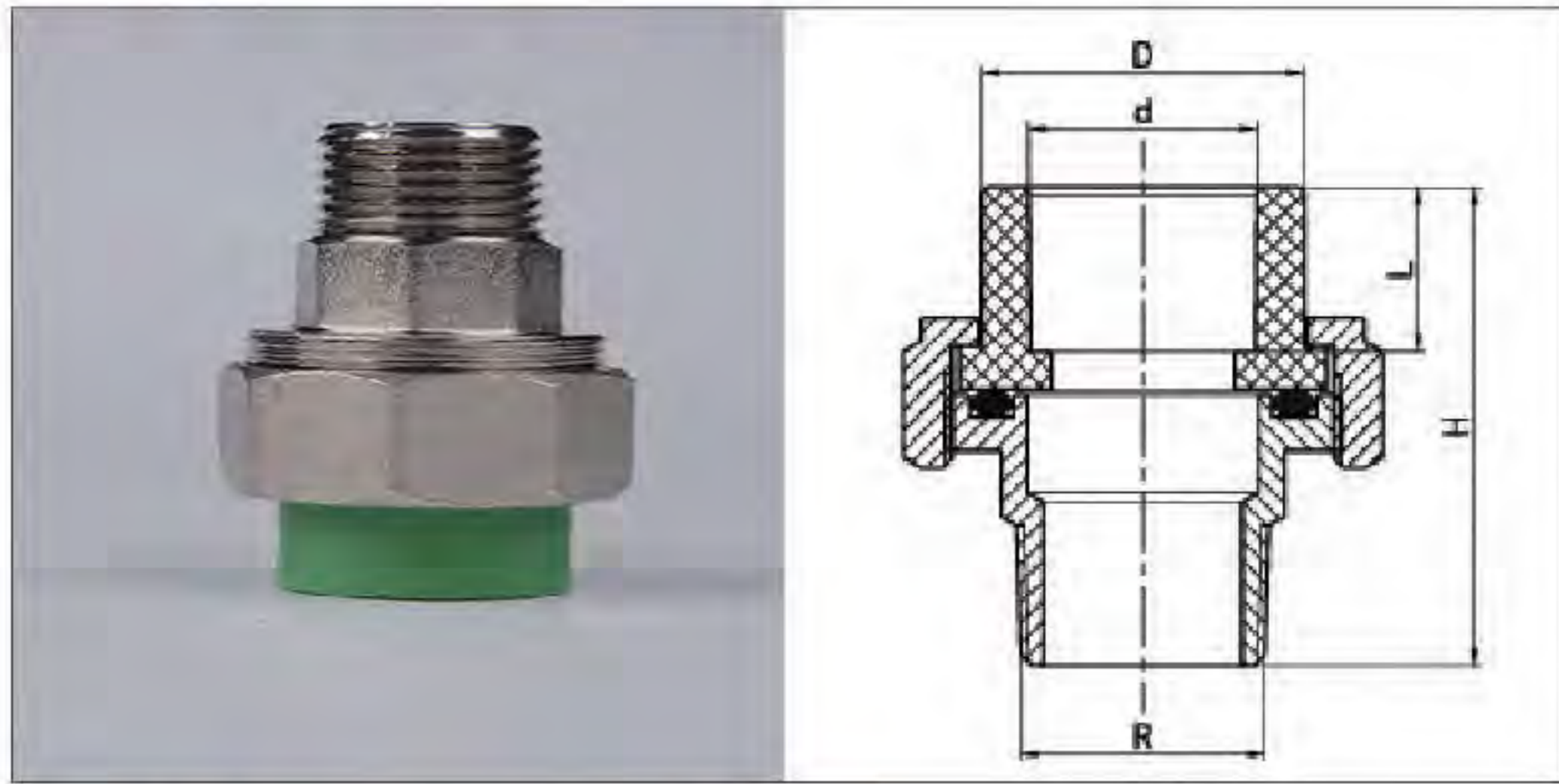
FITTINGS



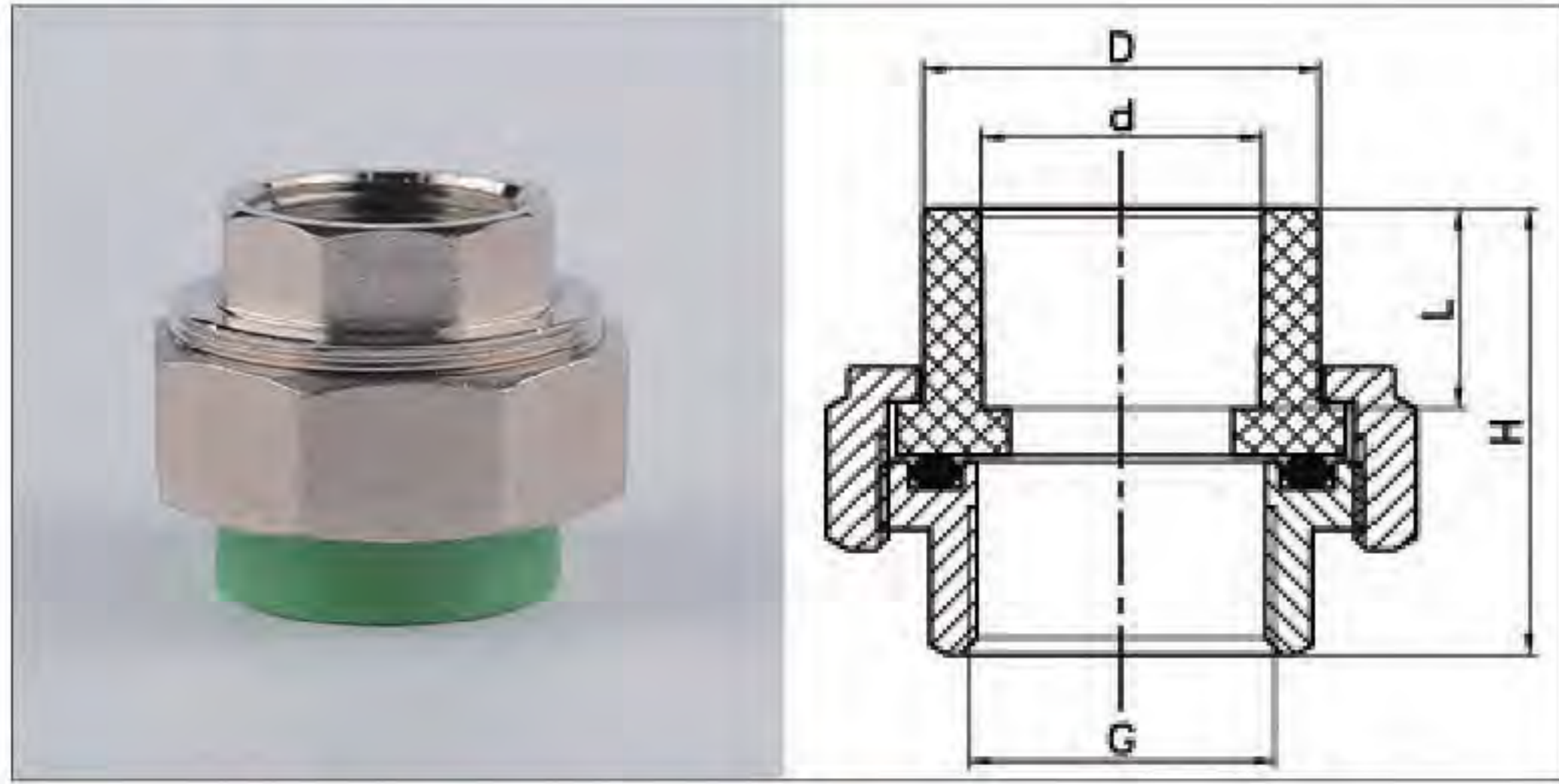
Female Threaded Tee



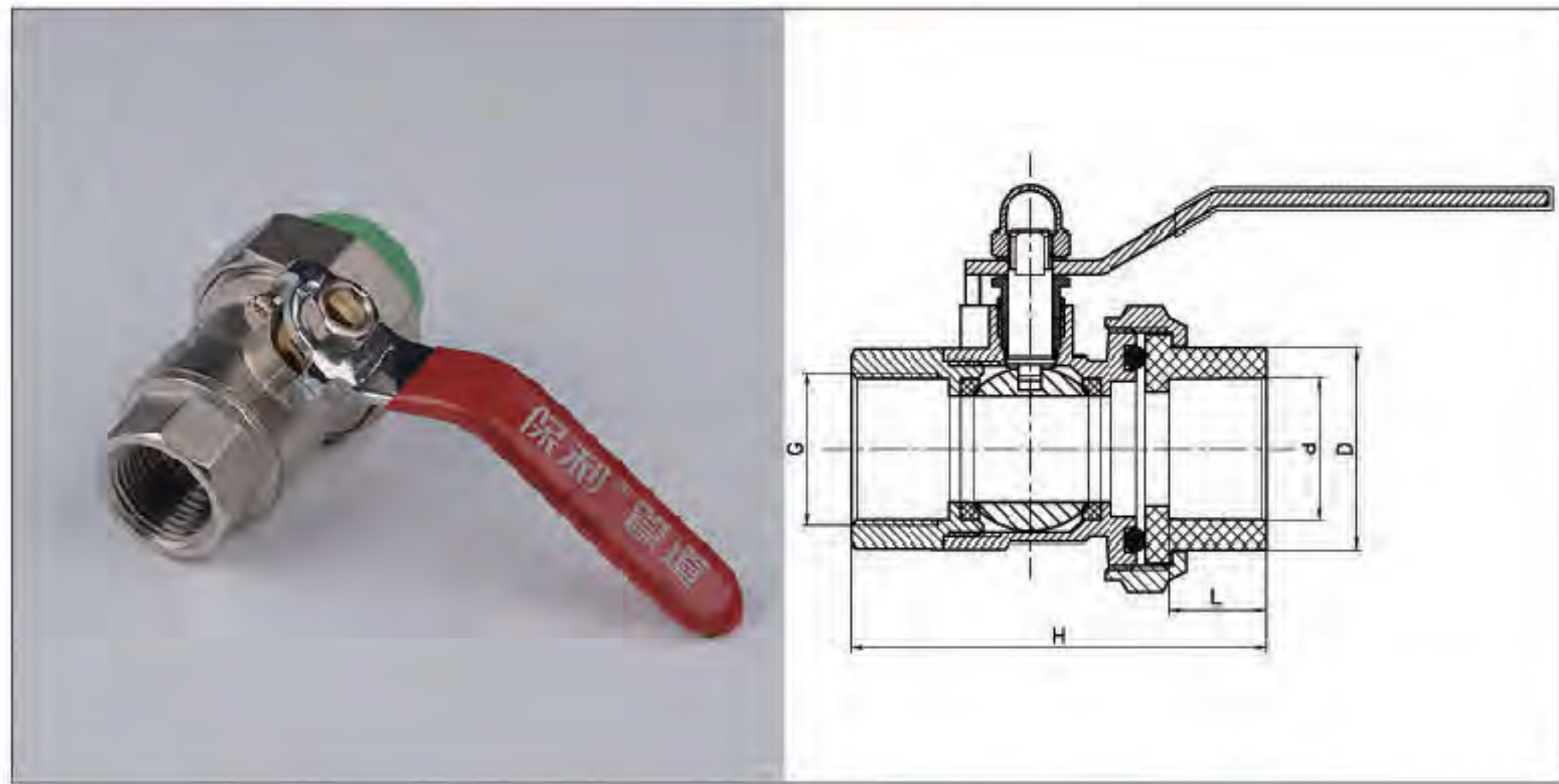
Male Threaded Tee



Male Threaded Union



Female Threaded Union



Single Union Ball Cock(Female)

Female Threaded Tee

Size (mm)	Item Code	D	d	L	H	R	B
20xRP1/2"f	752012	27.4	19.2	16	54.5	1/2"	33.5
20xRP3/4"f	752034	27.4	19.2	16	59.5	3/4"	34.5
25xRP1/2"f	752512	32.8	24.1	18	58.8	1/2"	36
25xRP3/4"f	752534	32.8	24.1	18	64	3/4"	37
32xRP1/2"f	753212	42.1	31	20	65	1/2"	40.5
32xRP3/4"f	753234	42.1	31	20	68	3/4"	42
32xRP1"f	753210	42.1	31	20	77	1"	39

Male Threaded Tee

Size (mm)	Item Code	D	d	L	H	R	B
20xR1/2"m	762012	27.4	19.2	16	54.5	1/2"	33.5
20xR3/4"m	762034	27.4	19.2	16	59.5	3/4"	34.5
25xR1/2"m	762512	32.8	24.1	18	58.8	1/2"	36
25xR3/4"m	762534	32.8	24.1	18	64	3/4"	37
32xR1/2"m	763212	42.1	31	20	65	1/2"	40.5
32xR3/4"m	763234	42.1	31	20	68	3/4"	42
32XR1"m	763210	42.1	31	20	77	1"	39

Male Threaded Union

Size (mm)	Item Code	D	d	L	R	H
20xR1/2"m	772012	27.4	19.2	16	1/2"	47.5
25xR3/4"m	772534	32.8	24.1	18	3/4"	51
32xR1"m	773210	42.1	31	20	1"	59.5
40xR1-1/4"m	774014	52.6	39	21.5	1-1/4"	70.5
50xR1-1/2"m	775012	65.8	49	24	1-1/2"	84.5
63xR2"m	776320	83.2	61.9	28	2"	92

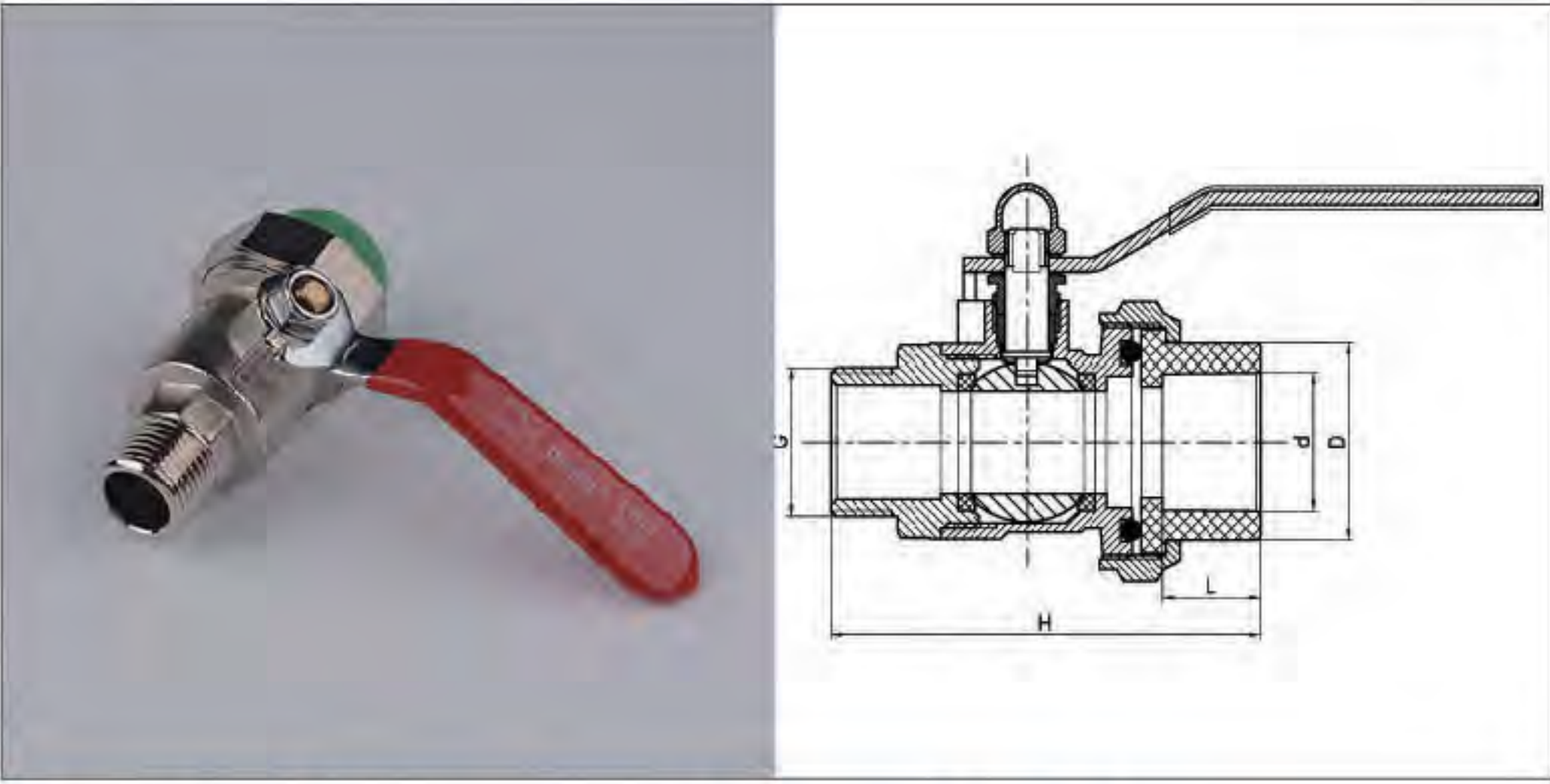
Female Threaded Union

Size (mm)	Item Code	D	d	L	B1	B2
20xRP1/2"f	782012	27.4	19.2	16	1/2"	36.5
25xRP3/4"f	782534	32.8	24.1	18	3/4"	39
32xRP1"f	783210	42.1	31	20	1"	45
40xRP1-1/4"f	784014	52.6	39	21.5	1-1/4"	52
50xRP1-1/2"f	785012	65.8	49	24	1-1/2"	63
63xRP2"f	786320	83.2	61.9	28	2"	69.5

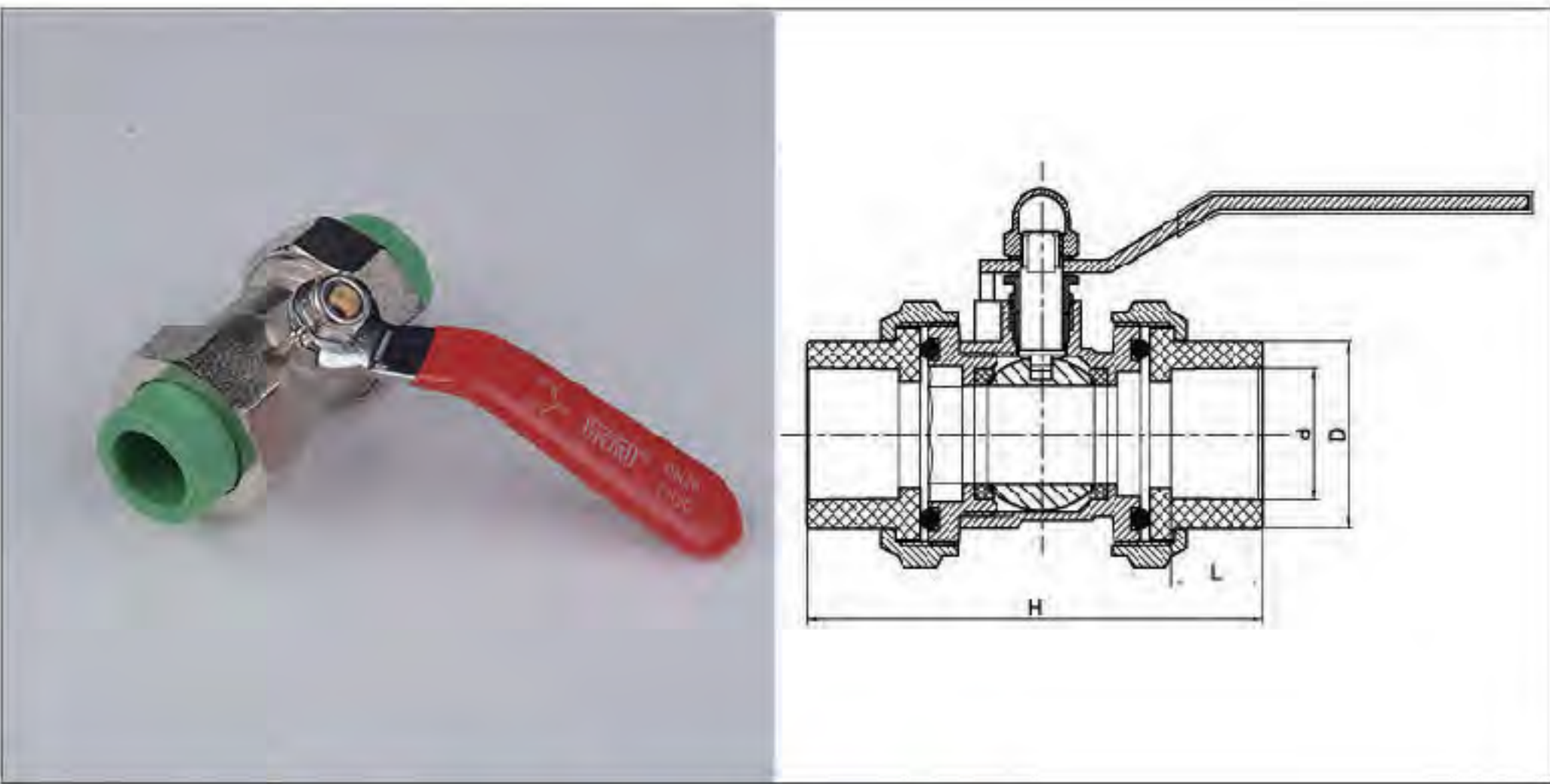
Single Union Ball Cock(Female)

Size (mm)	Item Code	D	d	L	G	H
20xRP1/2"f	832012	27.4	19.2	16	1/2"	67
25xRP3/4"f	832534	32.8	24.1	18	3/4"	73
32xRP1"f	833210	42.1	31	20	1"	82.5

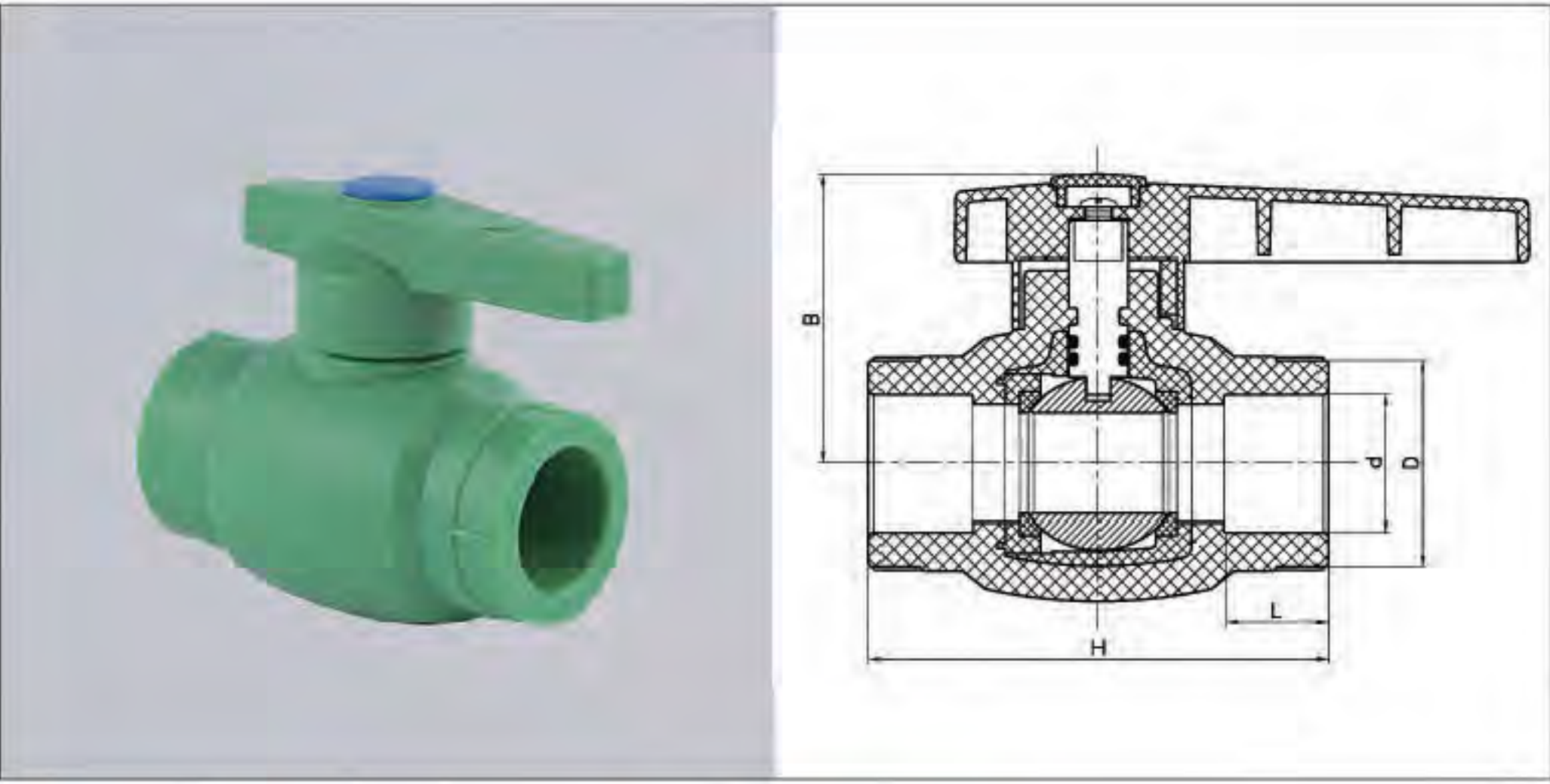
FITTINGS



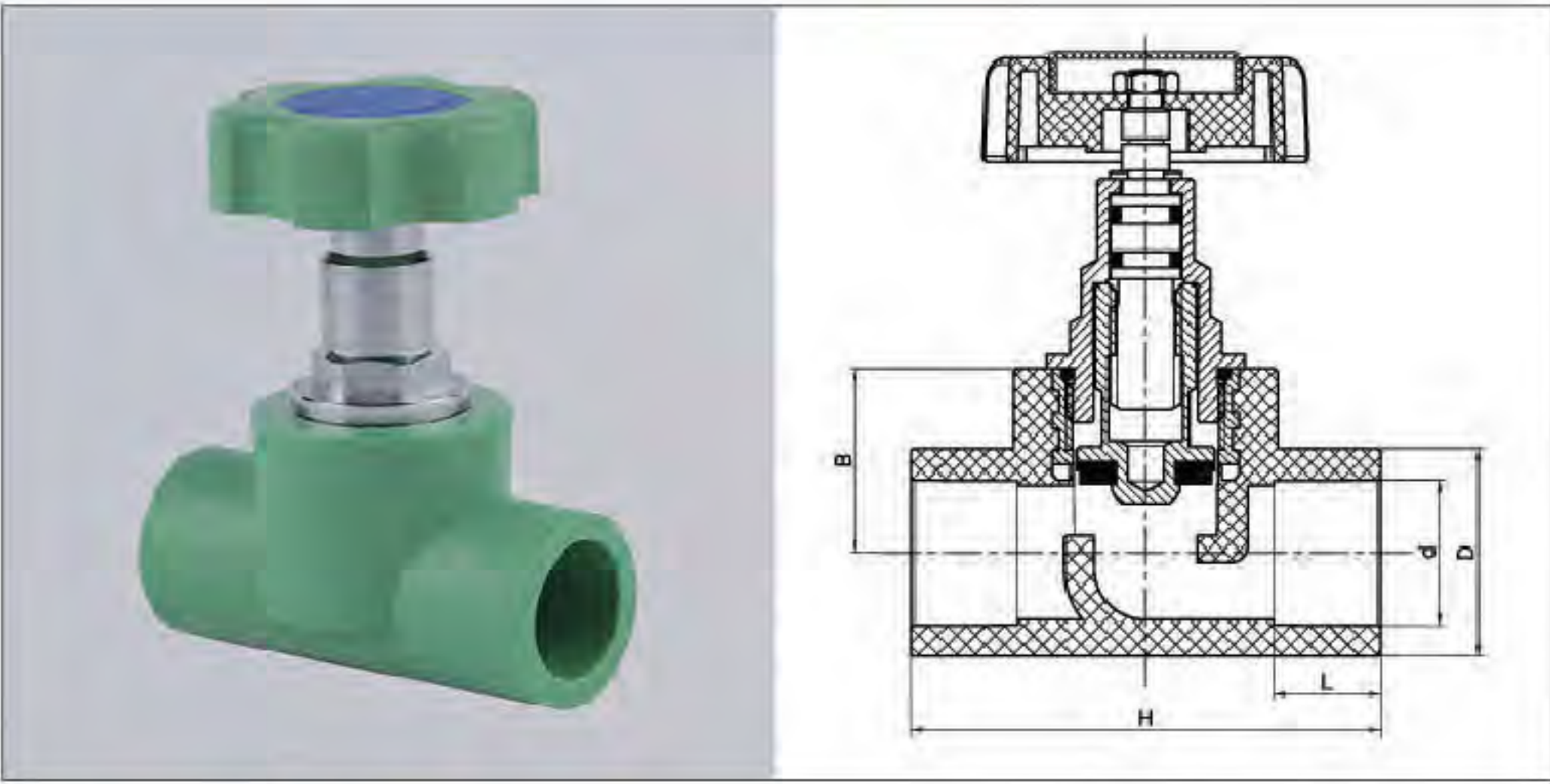
Single Union Ball Cock(Male)



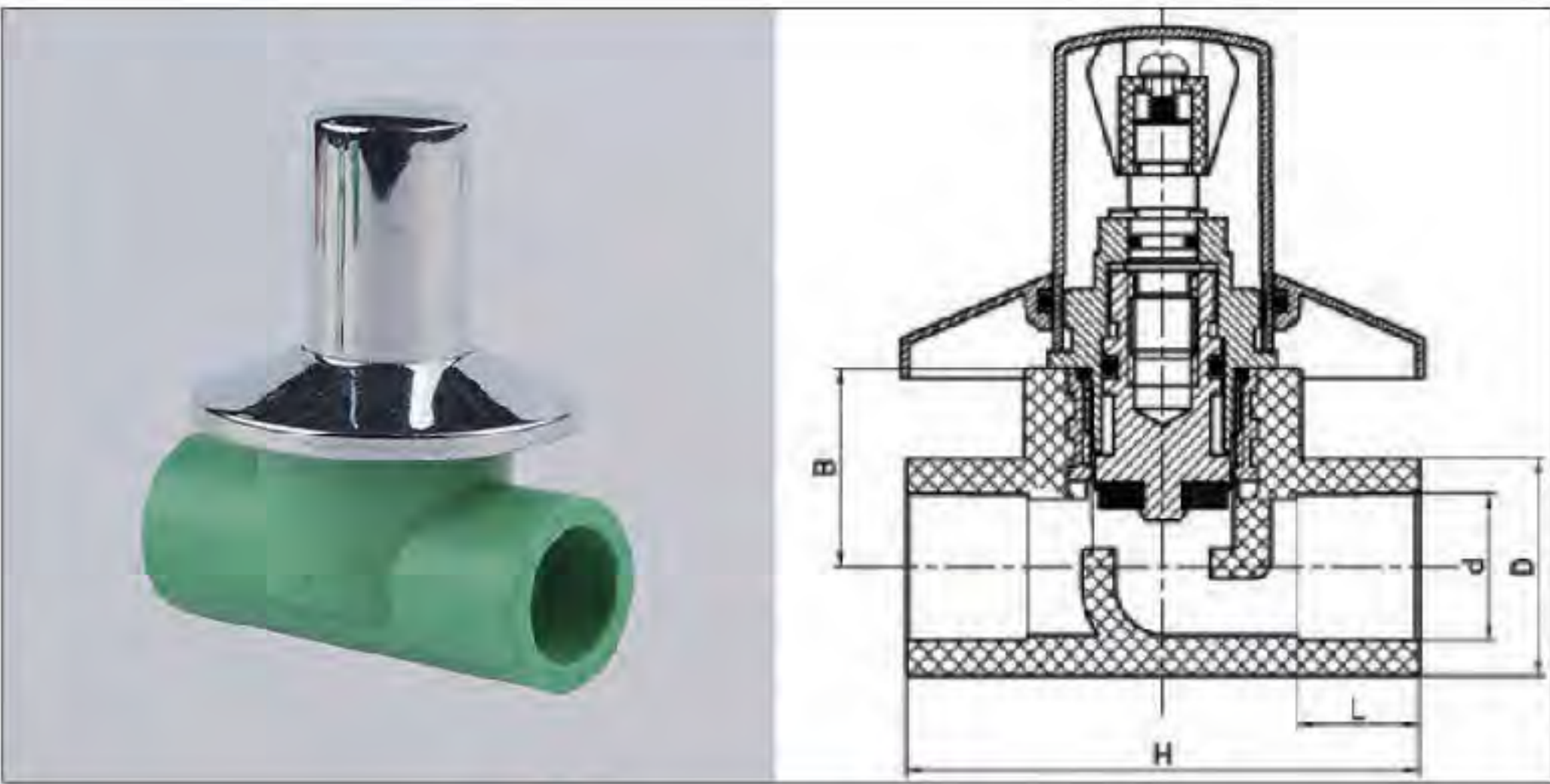
Double Union Ball Cock



Plastic Valve with Brass



Stop Valve



Concealed Valve(Short)

Single Union Ball Cock(Male)

Size (mm)	Item Code	D	d	L	R	H
20*1/2"M	842012	27.4	19.2	16	70	1/2"
25*3/4"M	842534	32.8	24.1	18	76.5	3/4"
32*1"M	843210	42.1	31	20	86	1"

Double Union Ball Cock

Size (mm)	Item Code	D	d	L	H
20x20mm	82020	27.4	19.2	16	78.5
25x25mm	82025	32.8	24.1	18	85
32x32mm	82032	42.1	31	20	102
40x40mm	82040	52.6	39	21.5	117
50x50mm	82050	65.8	49	24	146.5
63x63mm	82063	83.2	61.9	28	165.5

Plastic Valve with Brass

Size (mm)	Item Code	D	d	L	B1	H
20mm	85020B	29.2	19.2	17.5	46.8	76.6
25mm	85025B	35.8	24.1	19	50.4	79
32mm	85032B	44.2	31	19.5	59.4	88.3

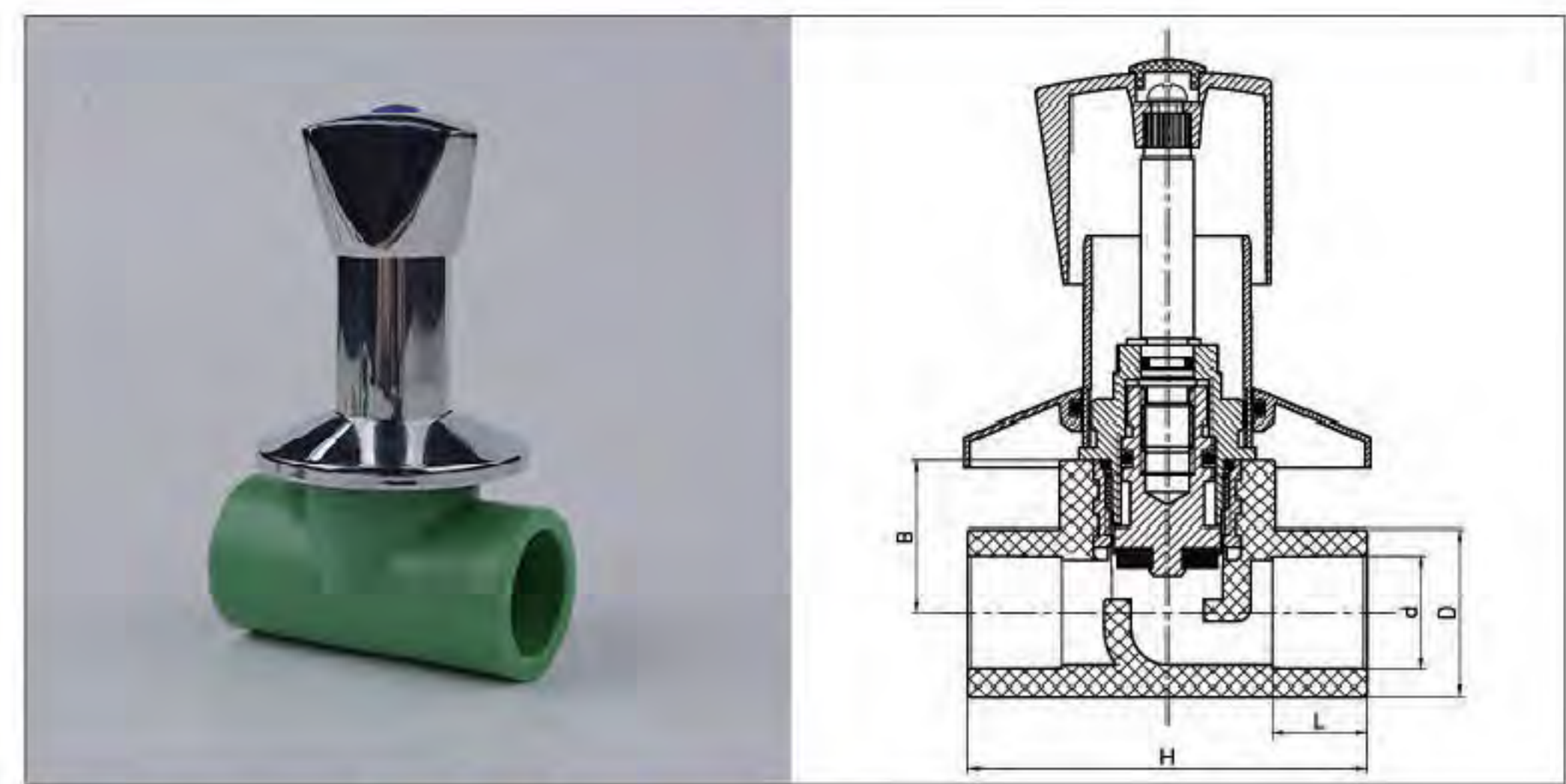
Stop Valve

Size (mm)	Item Code	D	d	L	B	H
20mm	80020A	27.4	19.2	16	26	67.3
25mm	80025A	32.8	24.1	18	31	78
32mm	80032A	42.1	31	20	33.7	79.6
40mm	80040A	52.6	39	21.5	42.6	95.2
50mm	80050A	65.8	49	24	53	110.4
63mm	80063A	83.2	61.9	28	64	122

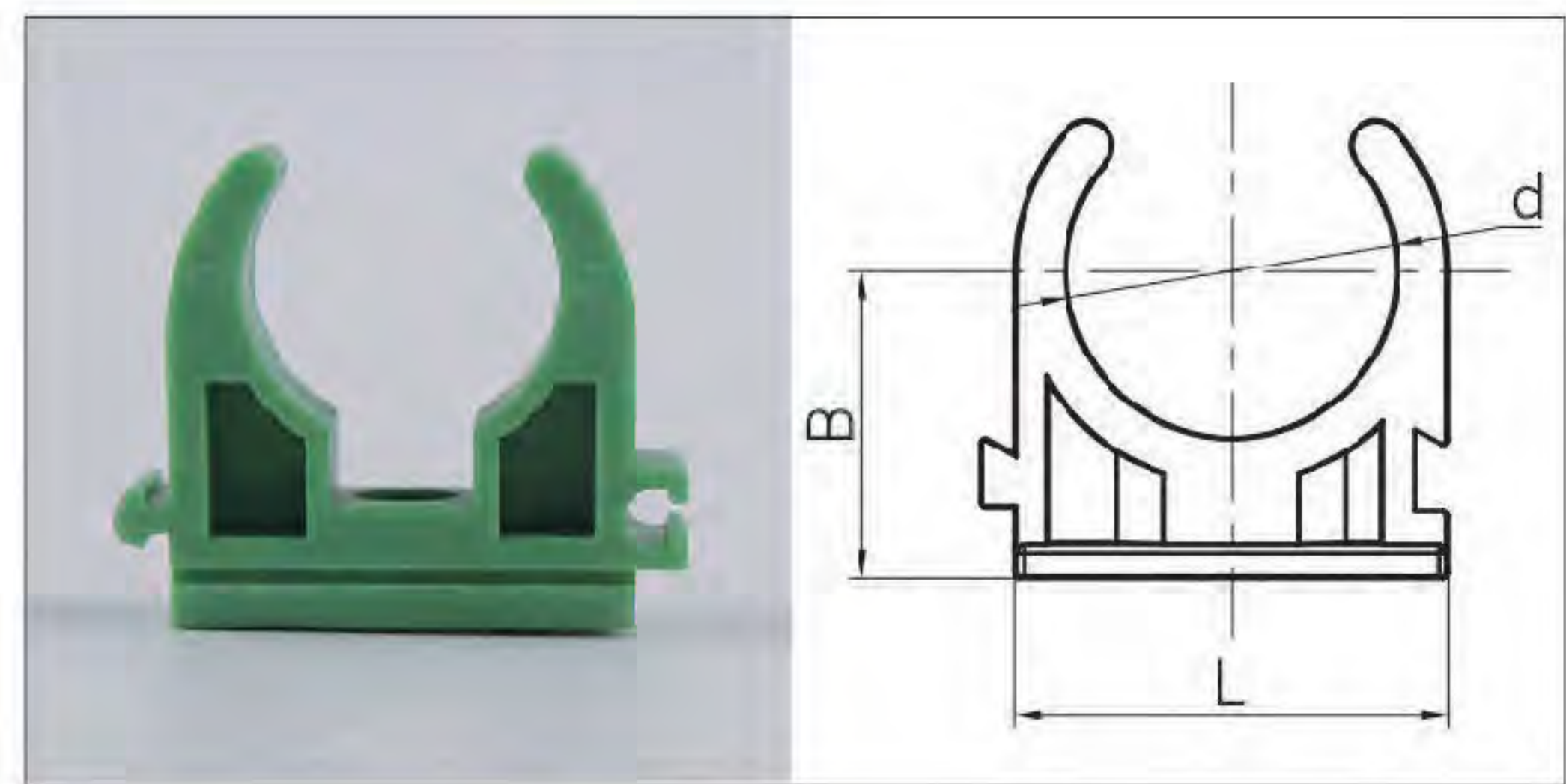
Concealed Valve(Short)

Size (mm)	Item Code	D	d	L	B	H
20mm	85020	28.4	19.2	16	26	67.3
25mm	85025	34.5	24.1	17.8	31	78
32mm	85032	43	31	19.8	33.7	79.6

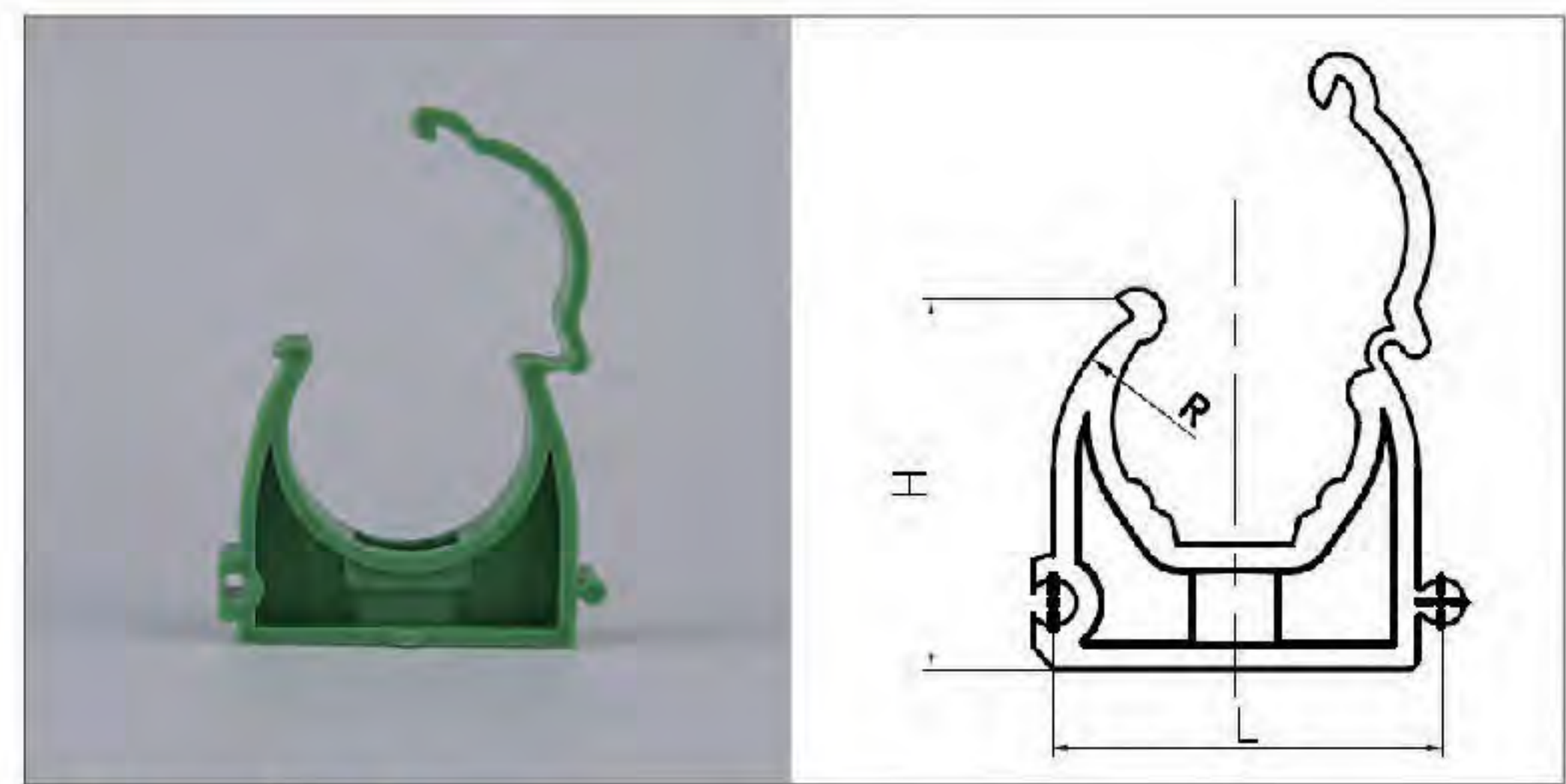
FITTINGS



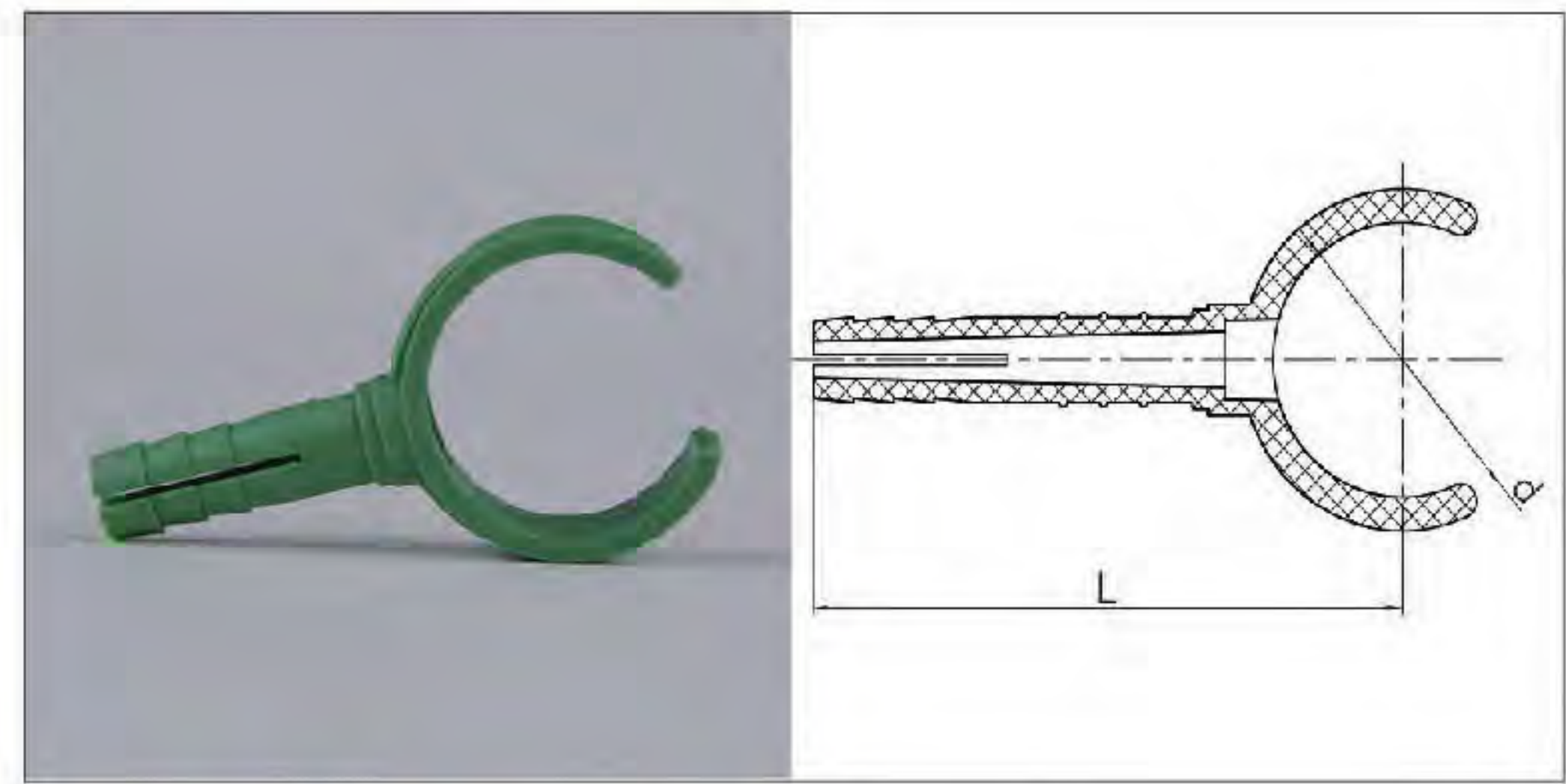
Concealed Valve



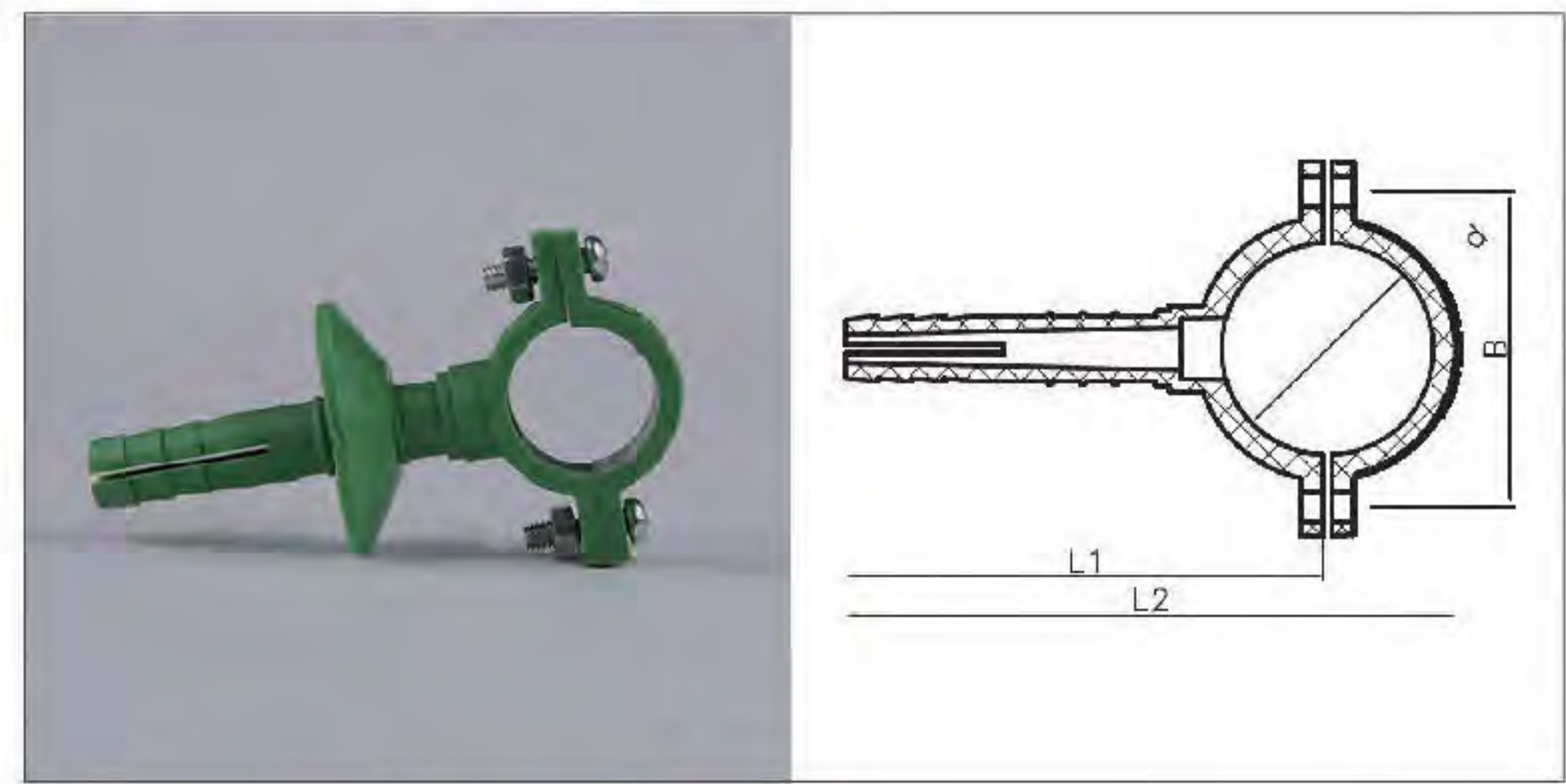
C-Type Clip



Plastic Clip



Pipe Clip(short)



Plastic Pipe Clamp

Concealed Valve

Size (mm)	Item Code	D	d	L	B	R
20mm	80020B	27.4	19.2	16	26	67.3
25mm	80025B	32.8	24.1	18	31	78
32mm	80032B	42.1	31	20	33.7	79.6

C-Type Clip

Size (mm)	Item Code	D	L	B
20	90020C	19.1	25.2	17.7
25	90025C	23.9	30.4	20
32	90032C	30.6	37.5	23.4

Plastic Clip

Size (mm)	Item Code	H	L	R
20	90020A	27.1	38.7	17.7
25	90025A	39.5	41.5	19.5
32	90032A	39.9	51.4	28.7
40	90040A	47.9	63.1	35.9

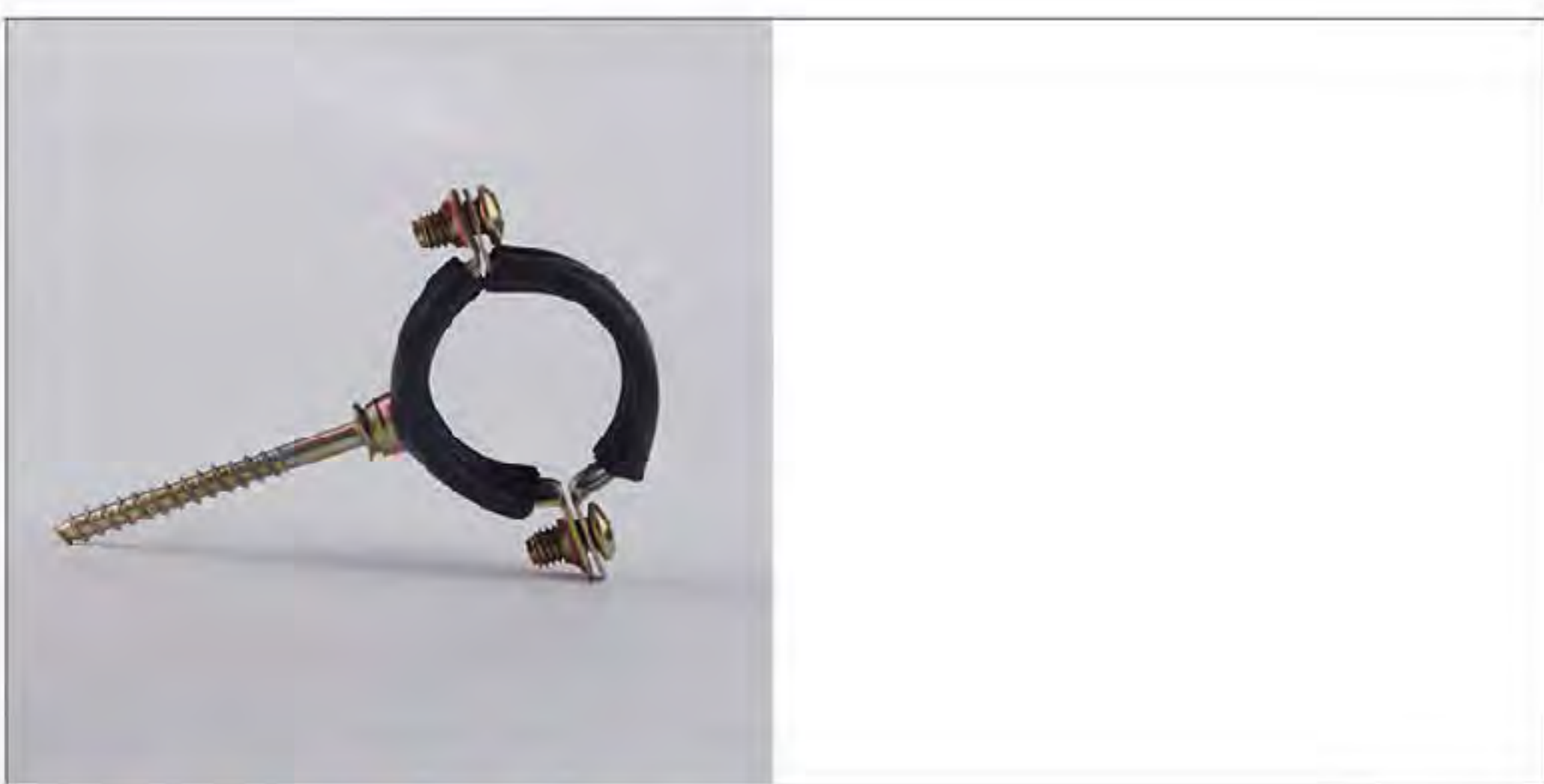
Pipe Clip(short)

Size (mm)	Item Code	d	L	R	H
20mm	90020-S	19.1	65.6		
25mm	90025-S	23.9	68.6		
32mm	90032-S	30.6	72.4		

Plastic Pipe Clamp

Size (mm)	Item Code
40mm	90040-F
50mm	90050-F
63mm	90063-F
75mm	90075-F
90mm	90090-F
110mm	90110-F
M8	Steel nail
M10	Steel nail

FITTINGS



Metal Pipe Clamp



Welding Die



Welding Machine



Hole Repaire Die

Metal Pipe Clamp

Size (mm)	Item Code	D	L1	L2	B
20	90020-H	20.2	65.6	79.7	35
25	90025-H	25.2	68.6	85.4	41
32	90032-H	32.2	72.4	93.1	48

Welding Die

Size (mm)	Item Code	M
20	92020	8
25	92025	8
32	92032	8
40	92040	8
50	92050	8
63	92063	8
75	92075	10
90	92090	10
110	92110	10
160	92160	12



Pipe Cutter

Pipe Cutter

Size (mm)	Item Code
20-40mm	93040
16-50mm	93063
16-50mm	93063
50-125mm	93025



Pipe Cutter

Pipe Cutter

Size (mm)	Item Code
16-50mm	93063
50-125mm	93025



Hole Repair Bar

Hole Repair Bar

Size (mm)	Item Code
7-11mm	96711

NEW PRODUCT



Orthodrome Elbow

Size (mm)	Item Code
20	11.11.259.1020
25	11.11.259.1025
32	11.11.259.1032

Orthodrome Elbow



Female Threaded Elbow(Long)

Size (mm)	Item Code
20*1/2”M	11.11.340.102012
25*1/2”M	11.11.340.102512

Female Threaded Elbow(Long)

Introduction: Generally used for sanitary ware connection under the cabinet of family bathroom, kitchen, etc.
Feature: around 77 mm from the wall, the connection between the female threaded elbow and the sanitary ware is not affected by the thick decorative layer of the wall or the cabinet. If it leaks, it's easy to find out.



Plastic PPR Manifold

Size (mm)	Item Code
φ40*25	12.11.360.104025

Plastic PPR Manifold



Male Thread Manifold

Size (mm)	Item Code
φ40*1/2	12.11.361.104012

Male Thread Manifold



Orthodrome Tee

Orthodrome Tee

Size (mm)	Item Code
20	11.11.214.1020-1
25	11.11.214.1025-1



Double Female Tee with Tap Connector

Double Female Tee with Tap Connector

Size (mm)	Item Code
20*1/2”M	11.11.336.102012
25*1/2”M	11.11.336.102512



Double Female Elbow with Tap Connector

Double Female Elbow with Tap Connector

Size (mm)	Item Code
20*1/2”M	11.11.335.102012
25*1/2”M	11.11.335.102512



Female Thread Manifold

Female Thread Manifold

Size (mm)	Item Code
φ40*25	12.11.361.104012



Pipe Plug(Long)

Single Union Ball Cock(Male)

Size (mm)	Item Code
20	11.11.255.1020-1

NEW PRODUCT



Water Heater Connecting Tee

Water Heater Connecting Tee

Size (mm)	Item Code
φ20	11.11.233.1020



Water Heater Connecting Coupling

Water Heater Connecting Coupling

Size (mm)	Item Code
φ20	11.11.232.1020



Water Heater Connecting Elbow

Water Heater Connecting Elbow

Size (mm)	Item Code
φ20	11.11.231.1020



Water Heater Connecting Elbow(Long)

Water Heater Connecting Elbow (Long)

Size (mm)	Item Code
φ20	11.11.231.10420-1



Plastic Joint for Manifold

Plastic Joint for Manifold

Size (mm)	Item Code
φ40*25	12.11.363.104025



NEW PRODUCT



Climb Coupling

Size (mm)	Item Code
φ20	11.11.234.1020
φ25	11.11.234.1025

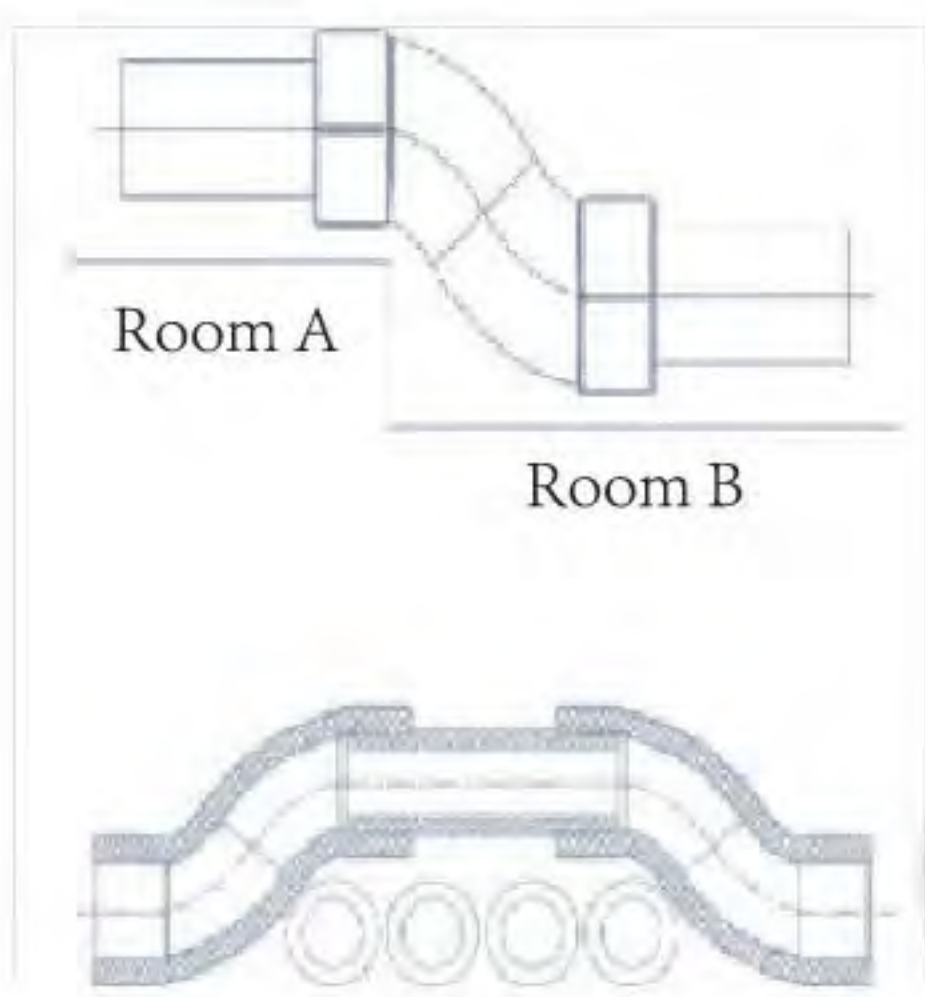
Climb Coupling



Over Bridge Cross

Size (mm)	Item Code
φ 20	11.11.219.1020
φ 25	11.11.219.1025

Over Bridge Cross



"Introduction:it is used for exposed pipe to climb into the wall slot and climb the ground. The pipe crosses the bridge.
Replace the traditional 45° elbow welding method, the welding point is reduced, and the construction is more convenient.
The climbing height is 25mm."



Female Threaded Tee(Long)

Size (mm)	Item Code
φ20*1/2	11.11.349.102012
φ25*1/2	11.11.349.102512

Female Threaded Tee(Long)



Female Threaded Union Elbow

Size (mm)	Item Code
φ20*1	11.11.339.10201
φ25*1	11.11.339.10251

Female Threaded Union Elbow



Y-Type Filter

Size (mm)	Item Code
φ20	11.11.284.3020
φ25	11.11.284.3025

Y-Type Filter



Interpolated Y-Type Filter

Size (mm)	Item Code
φ20	11.11.285.3020
φ25	11.11.285.3025

Interpolated Y-Type Filter



Clip (Long)

Size (mm)	Item Code
φ20	11.11.268.3020-3
φ25	11.11.268.3025-3
φ32	11.11.268.3032-3

Clip (Long)



Access Wall Tee

Size (mm)	Item Code
φ 20	11.11.238.1020
φ 25	11.11.238.1025

Access Wall Tee

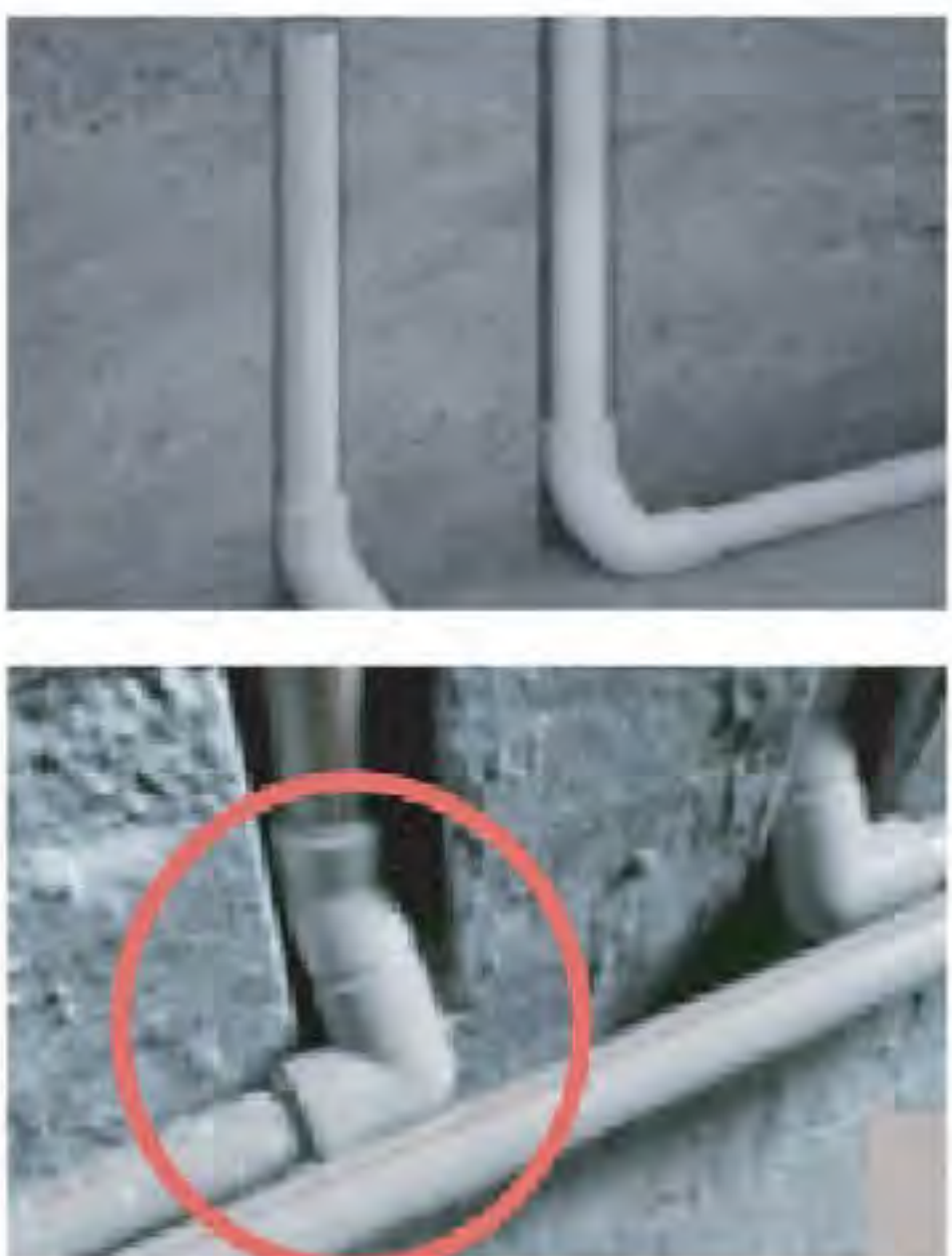
NEW PRODUCT



Orthodrome Tee

Size (mm)	Item Code
φ20 Left	11.11.237.1020-1
φ20 Middle	11.11.237.1020-2
φ20 Right	11.11.237.1020-3
φ25 Left	11.11.237.1025-1
φ25 Middle	11.11.237.1025-2
φ25 Right	11.11.237.1025-3

Orthodrome Tee



Introduction:These access wall fittings can save fittings than normal, reduce welding points, increase water flow and facilitate construction. the height of access wall elbow (middle) can reach the outer diameter of the corresponding specification pipe +15mm,more higher,more smoother and the water resistance is smaller.

HIGH-END PRODUCT



90°Elbow

Size (mm)	Item Code
φ20	
φ25	

90°Elbow



45°Elbow

Size (mm)	Item Code
φ20	
φ25	

45°Elbow



Coupling

Size (mm)	Item Code
φ20	
φ25	

Coupling



Tee

Size (mm)	Item Code
φ20	
φ25	

Tee



Bypass Bend

Size (mm)	Item Code
φ20	
φ25	

Bypass Bend



Orthodrome Elbow

Size (mm)	Item Code
φ20	
φ25	

Orthodrome Elbow

HIGH-END PRODUCT



Stop Valve

Size (mm)	Item Code
φ20	
φ25	

Stop Valve



Reducing Elbow

Size (mm)	Item Code
φ20	
φ25	

Reducing Elbow



Reducing Tee

Size (mm)	Item Code
φ20	
φ25	

Reducing Tee



Reducer

Size (mm)	Item Code
φ20	
φ25	

Reducer



Double Female Elbow with Tap Connector

Size (mm)	Item Code
φ20	
φ25	

Double Female Elbow with Tap Connector



Female Threaded Elbow(Long)

Size (mm)	Item Code
φ20	
φ25	

Female Threaded Elbow(Long)



Female Threaded Elbow

Size (mm)	Item Code
φ20	
φ25	

Female Threaded Elbow



Female Threaded Coupling

Size (mm)	Item Code
φ20	
φ25	

Female Threaded Coupling



Female Threaded Tee

Size (mm)	Item Code
φ20	
φ25	

Female Threaded Tee



Male Threaded Tee

Size (mm)	Item Code
φ20	
φ25	

Male Threaded Tee

HIGH-END PRODUCT



Male Threaded Elbow

Size (mm)	Item Code
φ20	
φ25	

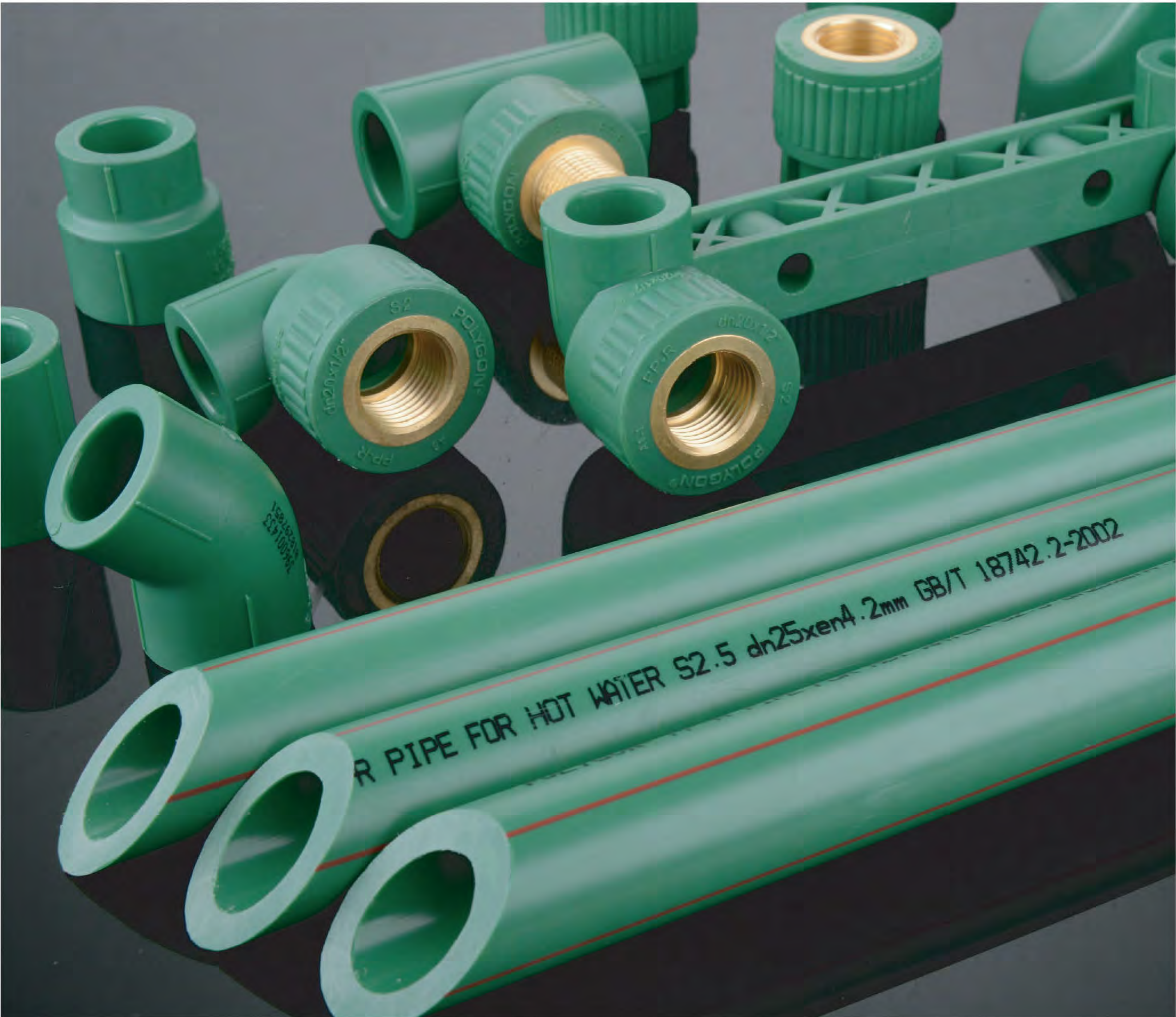
Male Threaded Elbow



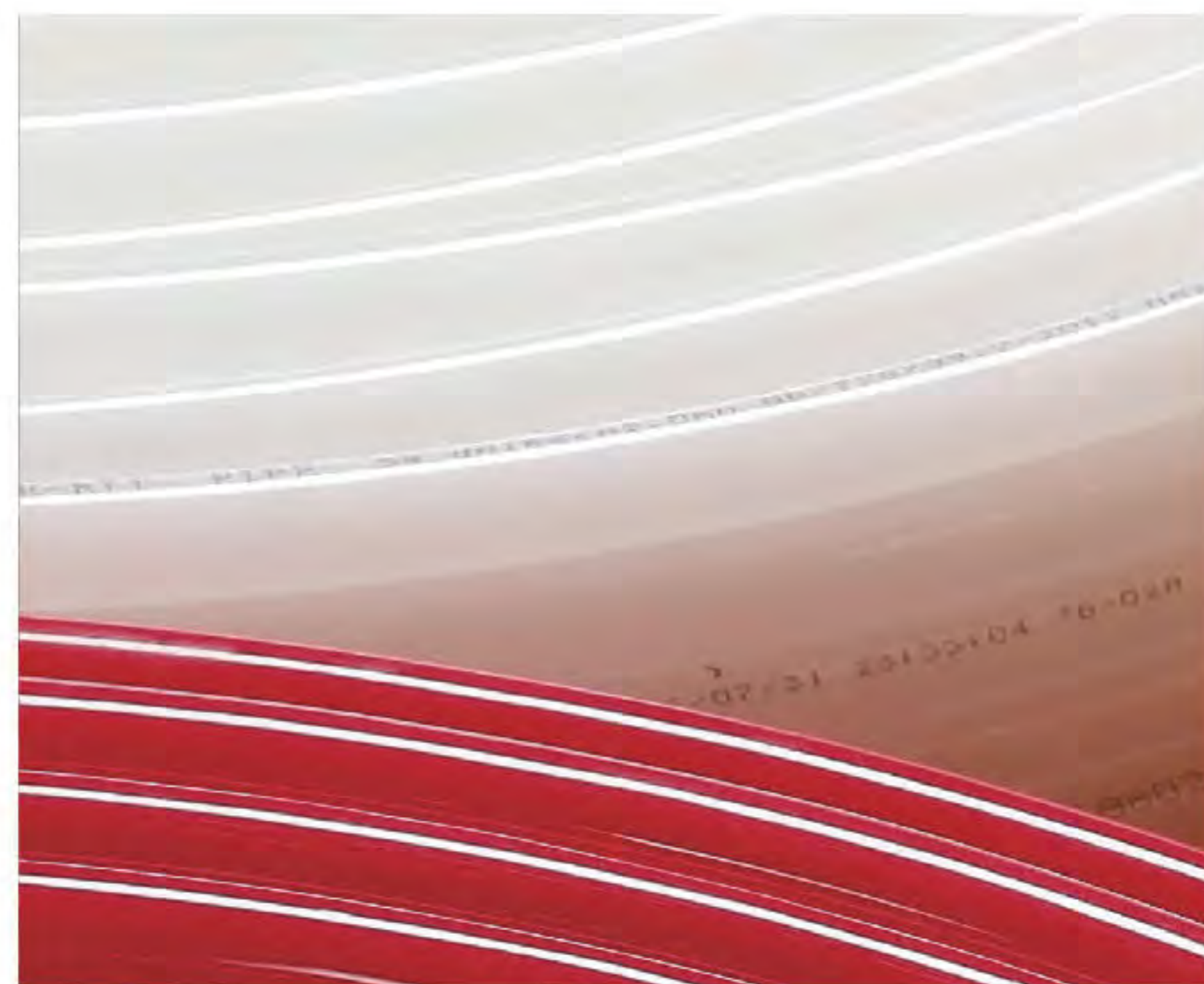
Male Threaded Coupling

Size (mm)	Item Code
φ20	
φ25	

Male Threaded Coupling



OTHER PRODUCT RANGE



PEXB & PEXB EVOH PIPING SYSETM



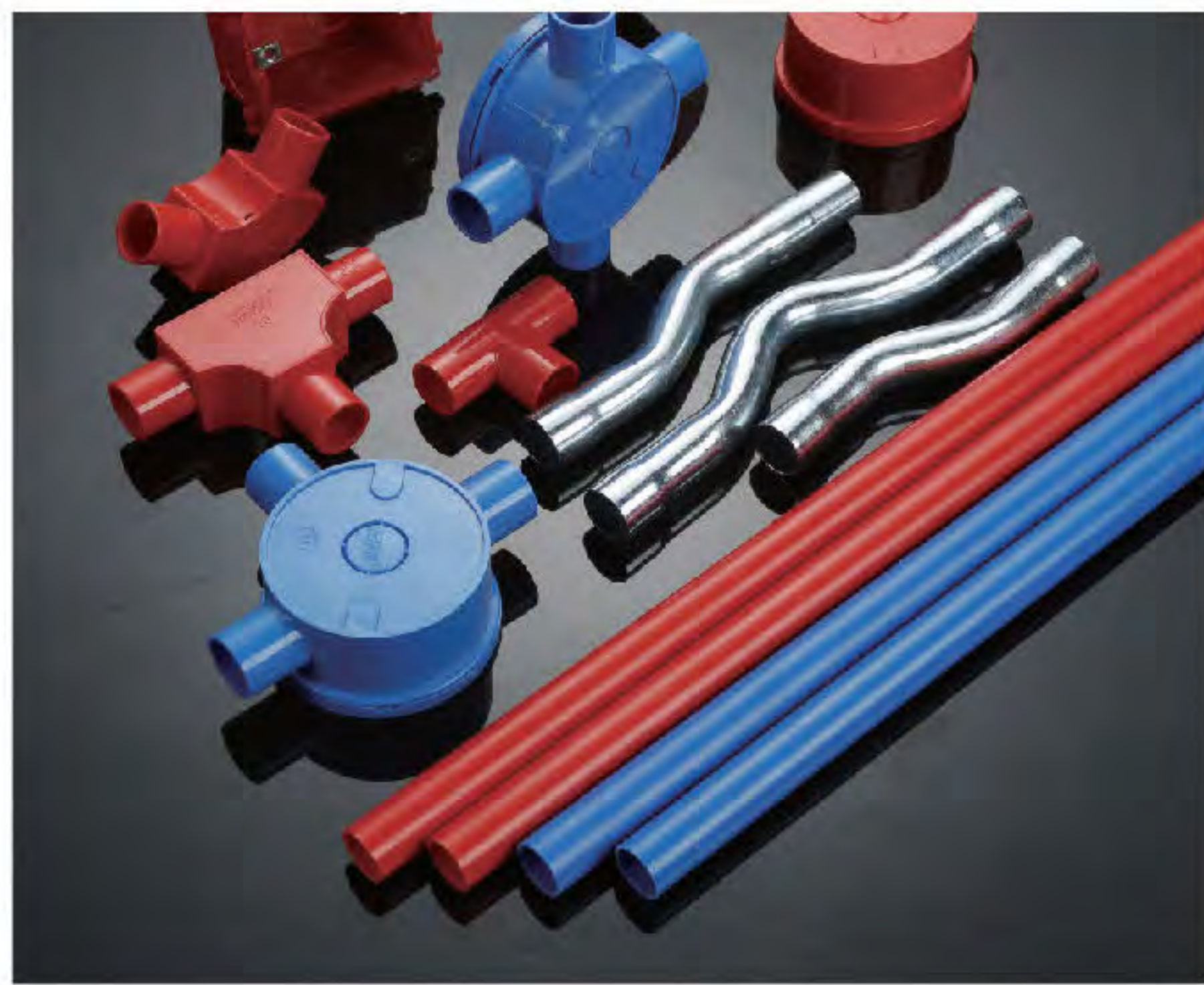
PERT & PERT EVOH PIPING SYSETM



PB PIPING SYSTEM



HDPE PIPING SYSTEM



PVC CONDUIT PIPING SYSTEM



PVC-U DRAINAGE PIPING SYSTEM

CERTIFICATES



ENGINEERING CASE

Shanghai International World Financial Center

Snow Dragon South Board Research Ship

German Consulate in Shanghai

Nanjing Langsey international block

Yufeng Garden

Shangcheng County

New Oriental

Century Garde

Shenyang Industrial university

Rongqiao Real Estate in Xi'an

Xi'an Zhonghai Real Estate

Xi'an Merlin Pick Garden

Vanke Xi'an New Town

Xi'an Fuli City

Changqing Oilfield Lakeside Garden

Beijing Hongshan Community

Renovation of Caoshanling Old City

Dalian Wanda Pearl Square

Yadu Garden, Tianjin Tanggu Development Zone

Beijing Military District Tianjin Nursing Home

Baoding Huazhong Holiday Athens City

Baoding Jinpeng Swan Bay

Qinhuangdao Yanda Mangrove Bay

Qinhuangdao Beidaihe Guanhai Garden

Dongwangling New Village Reconstruction Project

Shijiazhuang Mocha Town

Sanmenxia Civil Service Community

Zhoukou Power Community

Shangqiu City Pipe Network

Zhongyuan Lida High Speed Rail Package

Dalian Wanda Mansion

Shenyang Olympic Sports Center

Fushun Big Ethylene Park

Anshan Fortune Center

Tianjin Tanggu Offshore Oil

Tianjin Tanggu Free Trade Zone Logistics Building

Tangshan Guangyuan Garden

Taicang Shanghai Holiday Garden

Changzhou Laijun Garden

