



NINGBO SALVADOR PIPING SYSTEM CO.,LTD
NINGBO TREX TECHNOLOGY CO.,LTD



NINGBO SALVADOR PIPING SYSTEM CO., LTD

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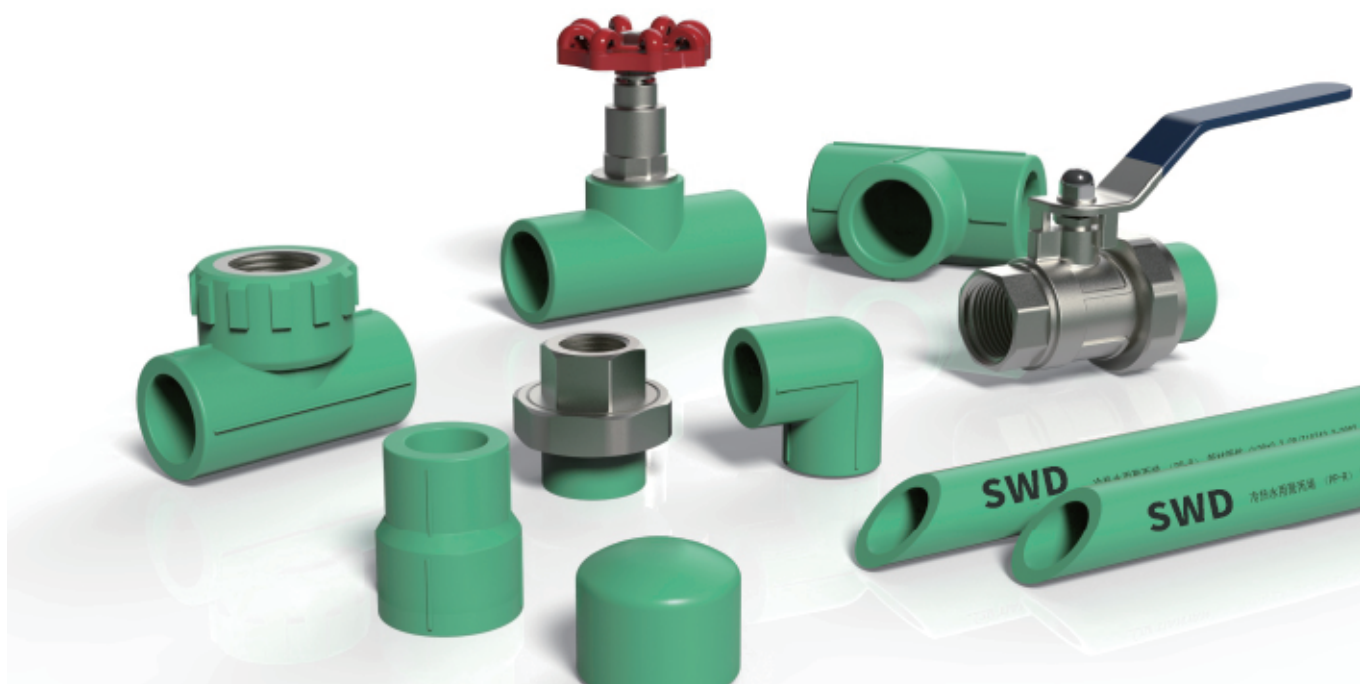
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PPR

PIPES & FITTINGS & VALVES



PP-R HOT/COLD WATER PRESSURE PIPING SYSTEM (ISO 15874)

PRODUCT INTRODUCTION

PP-R pipe is a new generation of environment-friendly construction material developed in 1990s. Besides plastic pipe merits, such as lightness, corrosion resistance, anti-deposition and long service life, PP-R pipe also have some new advantages, like hygienism, heat-resistant, material recycled. In the meanwhile, lower coefficient of heat conductivity can help for energy conservation. The usage of thermosol binding technique can make the process of installation very convenient.

Qualified raw material, from Korea, was used for TIANYAN PP-R piping networks. The performance standard of PP-R products can match DIN8077 & DIN8078 ,ISO 15874,and GB/T18742.

FEATURES OF PRODUCT

- Long Service Life:**
A PN20 water pipe, transporting water at 30°C can last for more than 50 years, under normal conditions with an operating pressure of 21.8 bars.
- Hygienism and Non-toxic:**
The material is a new type environmental building material, which can be used in pure water piping system.
- Heat-resistant:**
Under 9.7 bars pressure and 95°C hot water, the PN25 hot water pipe can continue to work one year.
- Corrosion-resistant:**
For most of the ions in the water and chemical substances in the building, there is not chemical reaction, no rust and no corrosion with PP-R piping system.
- Thermal Insulation and Energy Conservation:**
The thermal conductivity coefficient is only 1/200 of the metal pipe.
- Light Weight and High Intensity:**
The proportion is only 1/8 of the metal pipe. The pressure resistance test intensity reaches 5MPa (50kg/cm) or above.
- Attractive Appearance:**
Smooth internal and external wall, low flow-resistant, mild color and exquisite appearance.
- Easy and Reliable Installation:**
It adopts thermosol binding conjunction, no threaded, and it will only take several seconds for connection. High-quality copper inlay pieces are adopted, when it connects with metal pipe or water consumption machines. It is safe and reliable.

FIELDS OF APPLICATION

Piping networks for cold and hot water transport in residential and commercial buildings, hospitals, hotel, offices, school buildings, shipbuilding etc.

Piping networks for air-condition system.

Piping networks for rainwater utilization system.

Piping networks for solar plants.

Piping networks for swimming pools facilities.

Piping networks for compressed air plant.

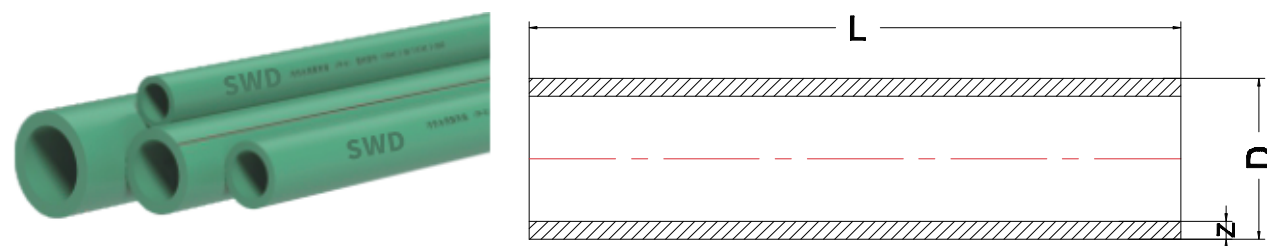
SEPCIFICATION OF WEDING PP-R PIPE AND FITTINGS

Outer Diameter of pipe (mm)	Conjunction time (s)	welding depth (mm)	Heating time (s)	Cooling time (min)
20	14.0	5	4	3
25	15.0	7	4	3
32	16.5	8	6	4
40	18.0	12	6	4
50	20.0	18	6	5
63	24.0	24	8	6
75	26.0	30	8	8
90	29.0	40	8	8
110	30.0	50	10	9

MECHANICAL & THERMAL PROPERTIES

Properties			Typical value
Density			0.89-0.91 g/cm ³
Melt Folw Rate (230°C/2.16kgs.g/10min)			Change rate of melt index≤30%
Tensile Strength			≥20Mpa
Modulus of Elasticity(20°C)			800 N/mm ²
Coefficient of Linear Thermal Expansion			0.14-0.16 mm/m.k
Thermal Conductivity			2.1 W/m.k
Longitudinal resilience (135°C , 2h)			≤2%
Impact test (0°C ,2h, 15J) damage rate			≤10%
Hydraulic Test	20°C, hoop stress	16Mpa, 1h	No Leakage
	95°C, hoop stress	4.2Mpa, 22h	No Leakage
	95°C, hoop stress	3.5Mpa, 1000h	No Leakage

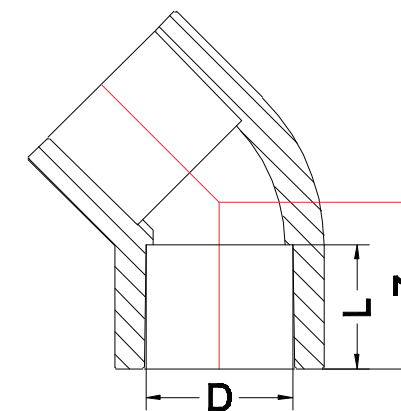
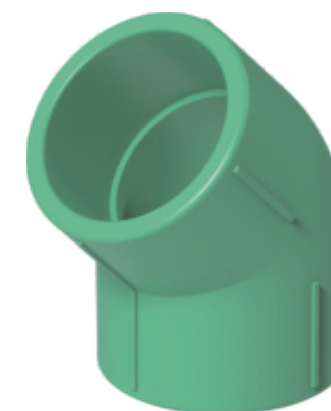
PP-R HOT WATER PIPE



size(mm)	D(mm)	Z(mm)					L(m)
		S5/PN10	S4/PN12.5	S3.2/PN16	S2.5/PN20	S2.0/PN25	
20	20	2.0	2.3	2.8	3.4	4.1	4-6
25	25	2.3	2.8	3.5	4.2	5.1	4-6
32	32	3	3.6	4.4	5.4	6.5	4-6
40	40	3.7	4.5	5.5	6.7	8.1	4-6
50	50	4.6	5.6	6.9	8.3	10.1	4-6
63	63	5.8	7.1	8.6	10.5	12.7	4-6
75	75	6.9	8.4	10.3	12.5	15.1	4-6
90	90	8.2	10.1	12.3	15	18.1	4-6
110	110	10.1	12.3	15.1	18.3	22.1	4-6
160	160	14.6	17.8	21.9			

45 DEG ELBOW

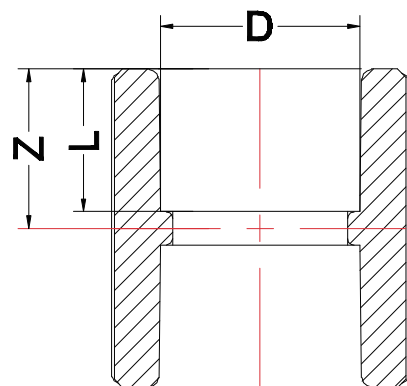
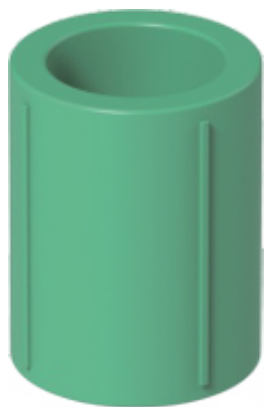
PP-R 45° ELBOW



size(mm)	D(mm)	L(mm)	Z(mm)
20	19.0	16.5	21.5
25	23.8	18.5	24.5
32	31.0	20.5	28.5
40	38.7	22.5	32.5
50	48.7	25.5	37.5
63	61.6	29.5	43.5
75	73.2	32.5	48.5
90	87.8	36.5	56.5
110	107.3	43.5	67.5

COUPLING

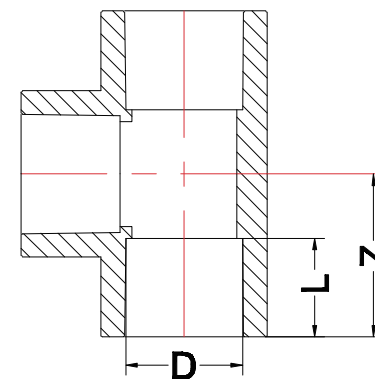
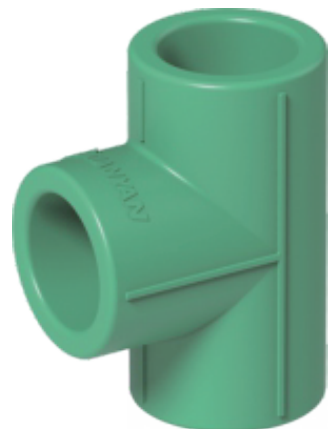
PP-R COUPLING



size(mm)	D(mm)	L(mm)	Z(mm)
20	19.0	16.5	35
25	23.8	18.5	39
32	31.0	20.5	43
40	38.7	22.5	48
50	48.7	25.5	54
63	61.6	29.5	62
75	73.2	32.5	68
90	87.8	36.5	76
110	107.3	43.5	89

EQUAL TEE

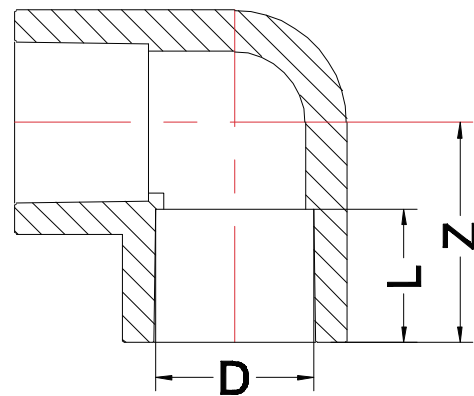
PP-R EQUAL TEE



size(mm)	D(mm)	L(mm)	Z(mm)
20	19.0	16.5	27
25	23.8	18.5	32
32	31.0	20.5	38
40	38.7	22.5	44
50	48.7	25.5	52
63	61.6	29.5	63
75	73.2	32.5	72
90	87.8	36.5	83
110	107.3	43.5	100

90 DEG ELBOW

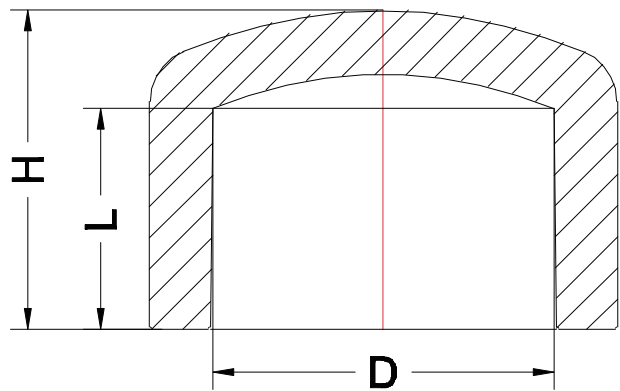
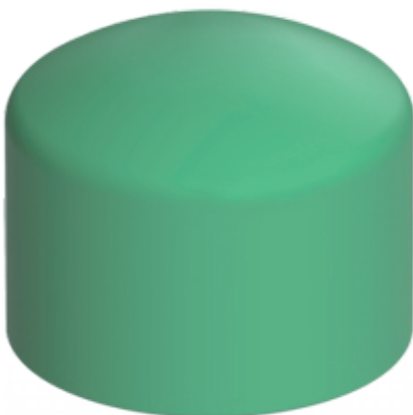
PP-R 90° ELBOW



size(mm)	D(mm)	L(mm)	Z(mm)
20	19.0	16.5	27
25	23.8	18.5	32
32	31.0	20.5	38
40	38.7	22.5	44
50	48.7	25.5	52
63	61.6	29.5	63
75	73.2	32.5	72
90	87.8	36.5	83
110	107.3	43.5	100

END CAP

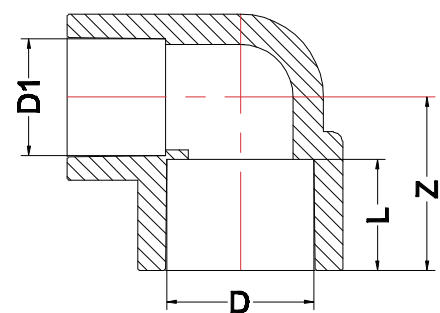
PP-R END CAP



size(mm)	D(mm)	L(mm)	H(mm)
20	19.0	16.5	24
25	23.8	18.5	27
32	31.0	20.5	29
40	38.7	22.5	34
50	48.7	25.5	39
63	61.6	29.5	46
75	73.2	32.5	52
90	87.8	36.5	60
110	107.3	43.5	70

REDUCING ELBOW

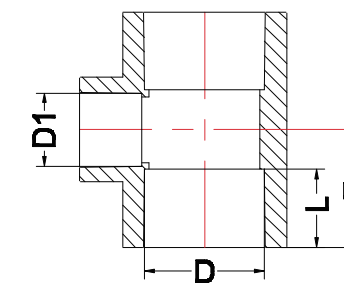
PP-R REDUCING ELBOW



size(mm)	D(mm)	D1(mm)	L(mm)	L1(mm)
25X20	23.8	19	16.5	28.5
32X20	31.0	19	18.5	31.5
32X25	31.0	23.8	18.5	33.5

REDUCING TEE

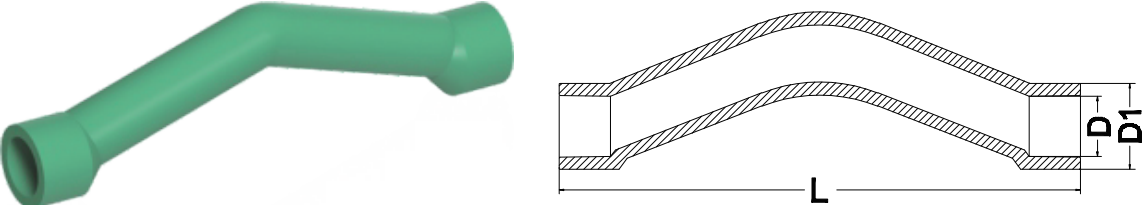
PP-R REDUCING TEE



size(mm)	D(mm)	D1(mm)	L(mm)	Z(mm)
25X20	23.8	19.0	18.5	30.5
32X20	31.0	19.0	20.5	32.5
32X25	31.0	23.8	20.5	34.5
40X20	38.7	19.0	22.5	34.5
40X25	38.7	23.8	22.5	36.5
40X32	38.7	31.0	22.5	39.5
50X20	48.7	19.0	25.5	37.5
50X25	48.7	23.8	25.5	39.5
50X32	48.7	31.0	25.5	39.5
50X40	48.7	38.7	25.5	47.5
63X20	61.6	19.0	29.5	41.5
63X25	61.6	23.8	29.5	43.5
63X32	61.6	31.0	29.5	47.5
63X40	61.6	38.7	29.5	51.5
63X50	61.6	48.7	29.5	56.5
75X32	73.2	31.0	32.5	50.5
75X40	73.2	38.7	32.5	53.3
75X50	73.2	48.7	32.5	58.5
75X63	73.2	61.6	32.5	64.5
90X40	87.8	38.7	36.5	57.5
90X50	87.8	48.7	36.5	62.5
90X63	87.8	61.6	36.5	69.5
90X75	87.8	73.2	36.5	75.5
110X50	107.3	48.7	43.5	70.5
110X63	107.3	61.6	43.5	76.5
110X75	107.3	73.2	43.5	82.5
110X90	107.3	87.8	43.5	90.5

BRIDGE

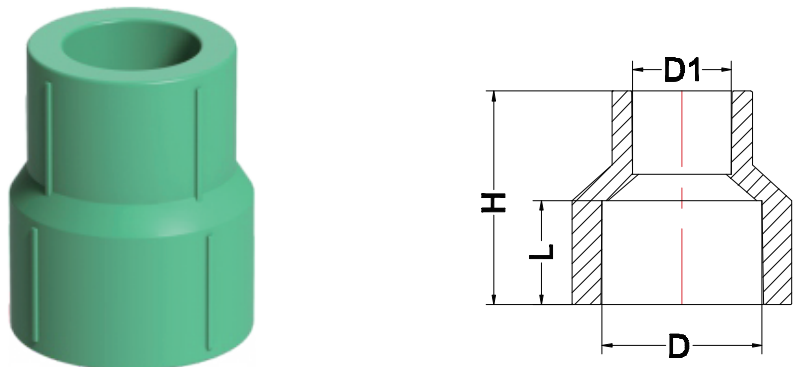
PP-R LONG BRIDGE WITH SOCKET



size(mm)	D(mm)	D1(mm)	L(mm)
20	19.0	27.5	190
25	23.8	34.0	200
32	31.0	42.8	220

REDUCING COUPLING

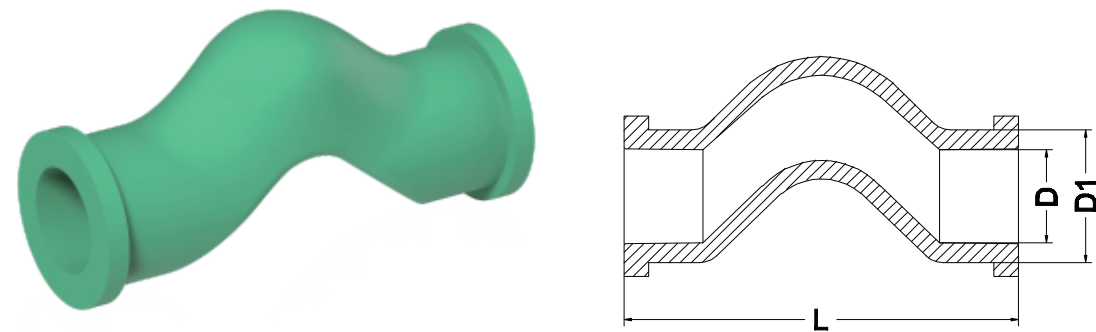
PP-R REDUCING COUPLING



size(mm)	D(mm)	D1(mm)	L(mm)	H(mm)
25X20	23.8	19.0	18.5	39
32X20	31.0	19.0	20.5	41
32X25	31.0	23.8	20.5	43
40X20	38.7	19.0	22.5	45
40X25	38.7	23.8	22.5	47
40X32	38.7	31.0	22.5	49
50X20	48.7	19.0	25.5	47
50X25	48.7	23.8	25.5	49
50X32	48.7	31.0	25.5	51
50X40	48.7	38.7	25.5	54
63X25	61.6	23.8	29.5	52
63X32	61.6	31.0	29.5	54
63X40	61.6	38.7	29.5	56
63X50	61.6	48.7	29.5	59
75X40	73.2	38.7	32.5	60
75X50	73.2	48.7	32.5	63
75X63	73.2	61.6	32.5	67
90X50	87.8	48.7	36.5	68
90X63	87.8	61.6	36.5	72
90X75	87.8	73.2	36.5	75
110X63	107.3	61.6	43.5	79
110X75	107.3	73.2	43.5	82
110X90	107.3	87.8	43.5	86

BRIDGE

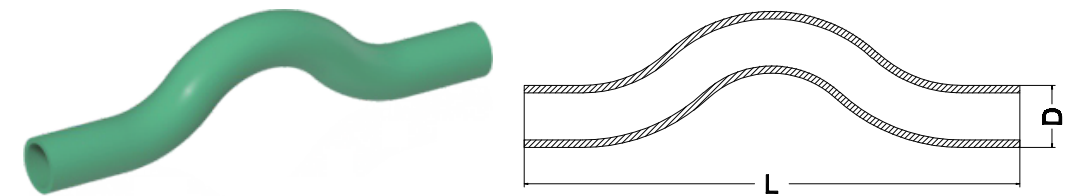
PP-R SHORT BRIDGE WITH SOCKET



size(mm)	D(mm)	D1(mm)	L(mm)
20	19.0	27.5	83
25	23.8	34.0	99
32	31.0	42.8	119

BYPASS BEND

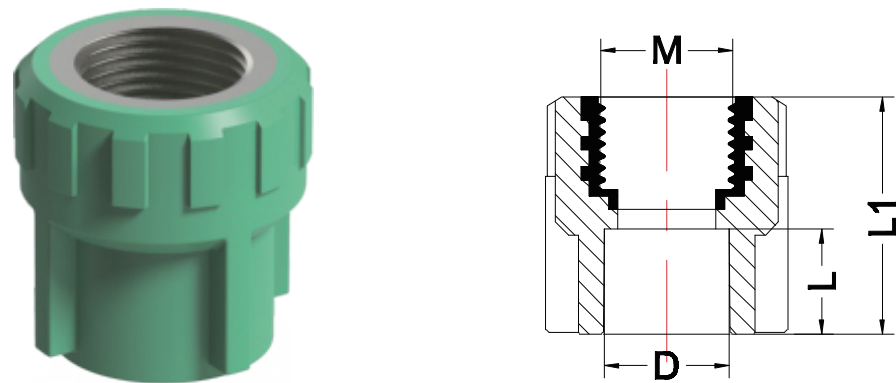
PP-R LONG BYPASS BEND



size(mm)	D(mm)	L(mm)
20	19.0	300
25	23.8	320
32	31.0	350

FEMALE COUPLING (BRASS)

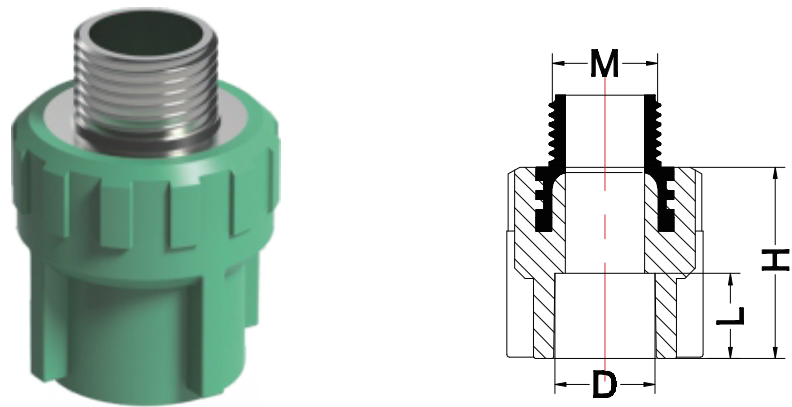
PP-R ONE SIDE BRASS FEMALE THREADED COUPLING



size(mm)	D(mm)	L(mm)	L1(mm)	M
20X1/2"	19.0	16.5	43	1/2"
20X3/4"	19.0	16.5	44	3/4"
25X1/2"	23.8	18.5	44	1/2"
25X3/4"	23.8	18.5	50	3/4"
32X1/2"	31.0	20.5	46	1/2"
32X3/4"	31.0	20.5	47	3/4"
32X1"	31.0	20.5	48	1"
40X1-1/4"	38.7	22.5	53	1-1/4"
50X1-1/2"	48.7	25.5	53	1-1/2"
63X2"	61.6	29.5	60	2"

MALE COUPLING (BRASS)

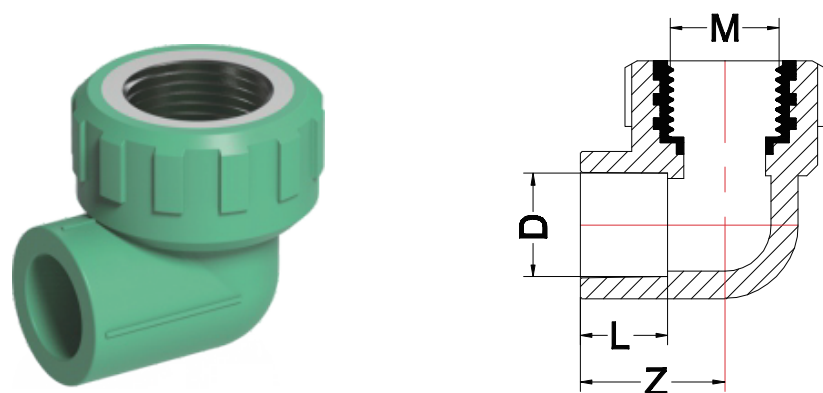
PP-R ONE SIDE BRASS MALE THREADED COUPLING



size(mm)	D(mm)	L(mm)	H(mm)	M
20X1/2"	19.0	16.5	43	1/2"
20X3/4"	19.0	16.5	44	3/4"
25X1/2"	23.8	18.5	44	1/2"
25X3/4"	23.8	18.5	50	3/4"
32X1/2"	31.0	20.5	46	1/2"
32X3/4"	31.0	20.5	47	3/4"
32X1"	31.0	20.5	48	1"
40X1-1/4"	38.7	22.5	53	1-1/4"
50X1-1/2"	48.7	25.5	53	1-1/2"
63X2"	61.6	29.5	60	2"

FEMALE ELBOW (BRASS)

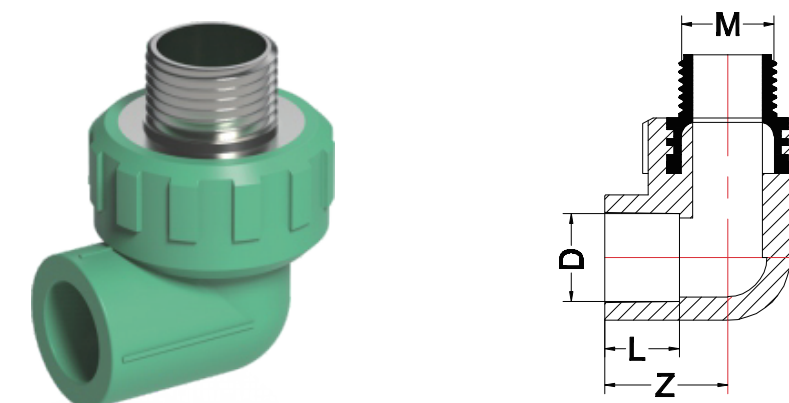
PP-R ONE SIDE BRASS FEMALE THREADED ELBOW



size(mm)	D(mm)	L(mm)	Z(mm)	M
20X1/2"	19.0	16.5	28	1/2"
20X3/4"	19.0	16.5	28	3/4"
25X1/2"	23.8	18.5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1/2"	31.0	20.5	38	1/2"
32X3/4"	31.0	20.5	32	3/4"
32X1"	31.0	20.5	36	1"
40X1-1/4"	39.0	22.5	42.5	1-1/4"
50X1-1/2"	48.9	25.5	50.5	1-1/2"
63X2"	61.8	28.5	61.5	2"

MALE ELBOW (BRASS)

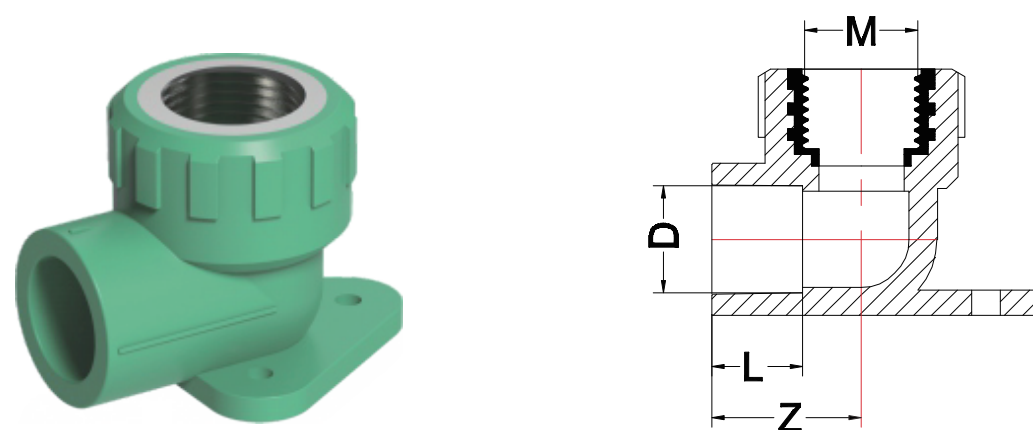
PP-R ONE SIDE BRASS MALE THREADED ELBOW



size(mm)	D(mm)	L(mm)	Z(mm)	M
20X1/2"	19.0	16.5	28	1/2"
20X3/4"	19.0	16.5	28	3/4"
25X1/2"	23.8	18.5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1/2"	31.0	20.5	38	1/2"
32X3/4"	31.0	20.5	32	3/4"
32X1"	31.0	20.5	36	1"
40X1-1/4"	39.0	22.5	42.5	1-1/4"
50X1-1/2"	48.9	25.5	50.5	1-1/2"
63X2"	61.8	28.5	61.5	2"

WALL FEMALE ELBOW

PP-R ONE SIDE BRASS FEMALE THREADED ELBOW WALL PLATE



size(mm)	D(mm)	L(mm)	Z(mm)	M
20X1/2"	19.0	16.5	28	1/2"
25X1/2"	23.8	18.5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1"	31.0	20.5	36	1"

WALL MALE ELBOW

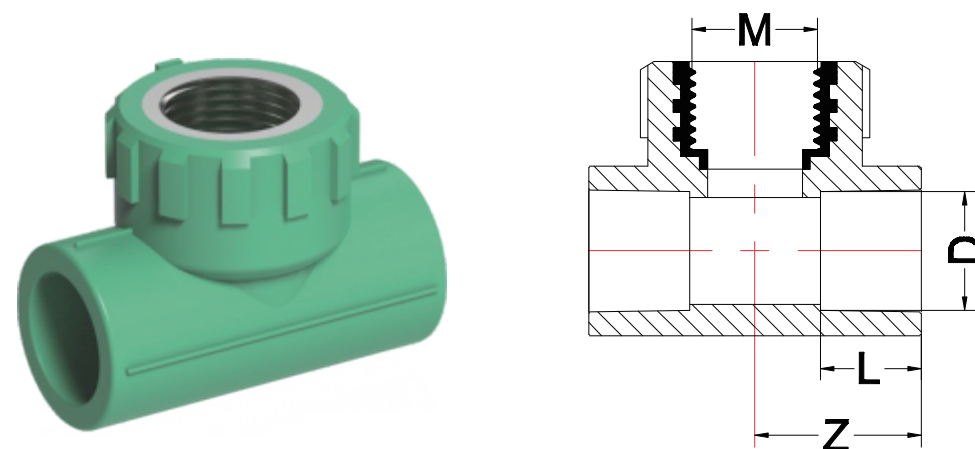
PP-R ONE SIDE BRASS MALE THREADED ELBOW WALL PLATE



size(mm)	D(mm)	L(mm)	Z(mm)	M
20X1/2"	19.0	16.5	28	1/2"
25X1/2"	23.8	18.5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1"	31.0	20.5	36	1"

FEMALE TEE (BRASS)

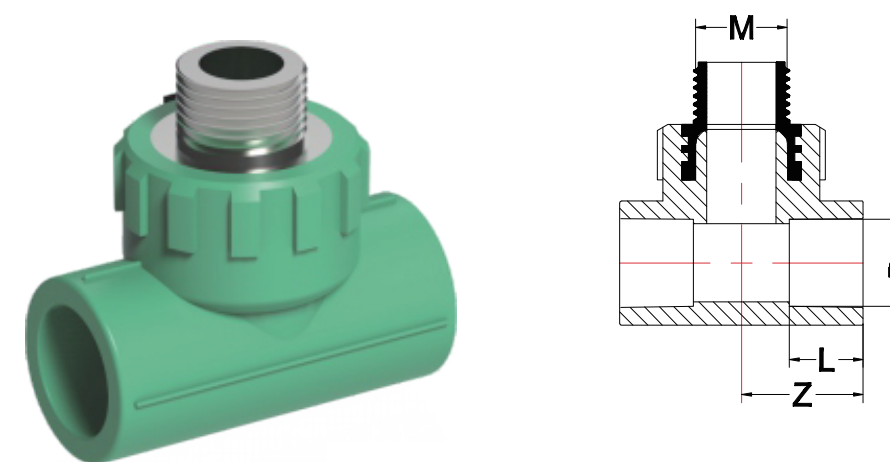
PP-R MIDDLE SIDE BRASS FEMALE THREADED TEE



size(mm)	D(mm)	L(mm)	Z(mm)	M
20X1/2"	19.0	16.5	28	1/2"
20X3/4"	19.0	16.5	28	3/4"
25X1/2"	23.8	18.5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1/2"	31.0	20.5	38	1/2"
32X3/4"	31.0	20.5	32	3/4"
32X1"	31.0	20.5	36	1"

MALE TEE (BRASS)

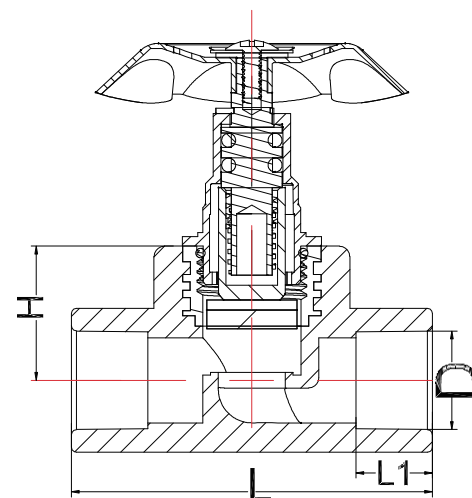
PP-R MIDDLE SIDE BRASS MALE THREADED TEE



size(mm)	D(mm)	L(mm)	Z(mm)	M
20X1/2"	19.0	16.5	28	1/2"
20X3/4"	19.0	16.5	28	3/4"
25X1/2"	23.8	18.5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1/2"	31.0	20.5	38	1/2"
32X3/4"	31.0	20.5	32	3/4"
32X1"	31.0	20.5	36	1"

STOP VALVE

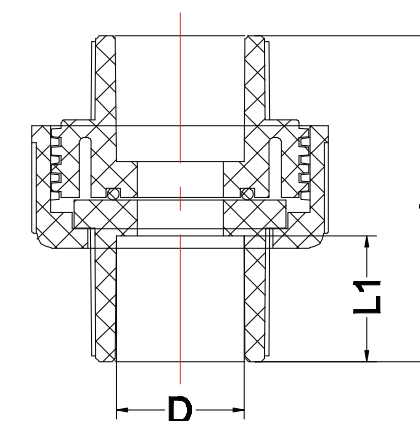
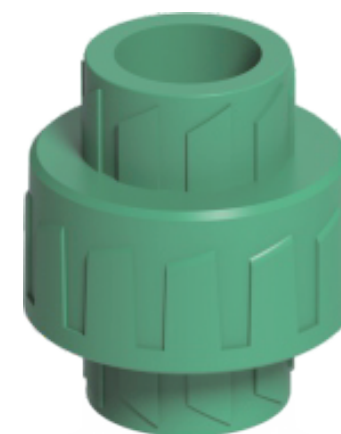
PP-R STOP VALVE



size(mm)	D(mm)	L1(mm)	L(mm)	L(mm)
20	19.0	16.5	74.5	18.7
25	23.8	18.0	83.5	32.4
32	31.0	20.0	92.0	38.3
40	38.7	22.0	104	47.7
50	48.7	25.3	110	52.7
63	61.6	27.5	121	61.5
75	73.2	29.0	129.5	64.7

UNION

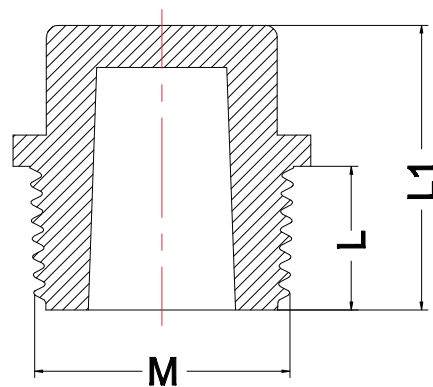
PP-R UNION



size(mm)	D(mm)	L1(mm)	L(mm)
20	19.0	16.5	41.0
25	23.8	18.5	48.0
32	31.0	20.5	50.0
40	38.7	22.5	56.0
50	48.7	25.5	63.0
63	61.6	29.5	72.0

MALE PLUG

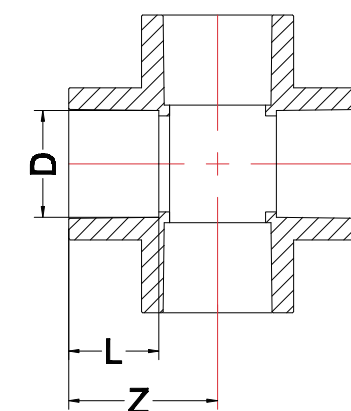
PP-R MALE PLUG



size(mm)	L(mm)	L1(mm)	M(mm)
1/2"	14.0	28.8	1/2"
3/4"	18.5	31.8	3/4"
1"	20.5	34.8	1"

CROSS

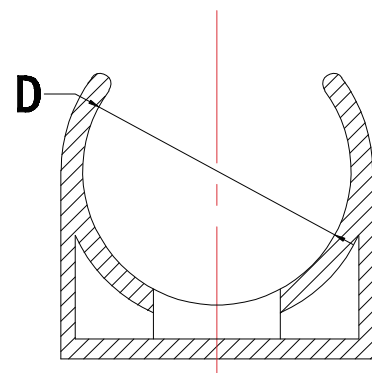
PP-R CROSS



size(mm)	D(mm)	L(mm)	Z(mm)
20	19.0	16.5	27
25	23.8	16.5	32
32	31.0	16.9	38

CLIP

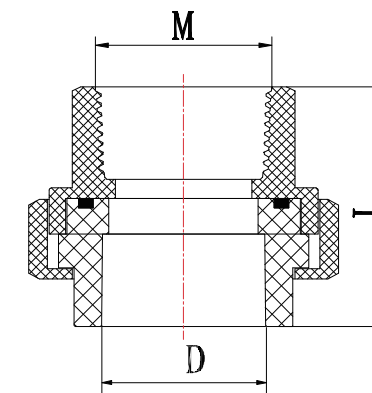
PP-R CLIP



size(mm)	D(mm)
20	20
25	25
32	32
40	40
50	50
63	63

FEMALE UNION (BRASS)

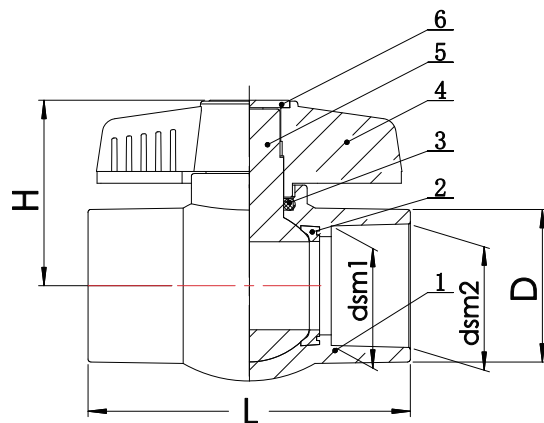
PP-R BRASS FEMALE THREADED UNION WITH PP-R JOINT ADAPTOR



size(mm)	D(mm)	L(mm)	M
20	19.0	41	1/2"
25	23.8	48	3/4"
32	31.0	50	1"
40	38.7	56	1-1/4"
50	48.7	63	1-1/2"
63	61.6	72	2"

BALL VALVE

PP-R COMPACT BALL VALVE



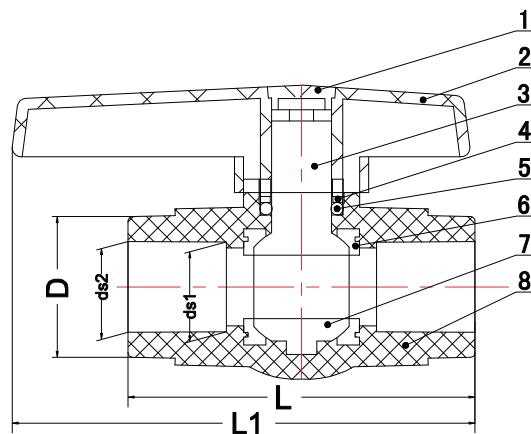
NO.	PART	MATERIAL	QTY
1	Body	PPR	1
2	Seat Seal	TPE/TPR	2
3	O-Ring	NBR/EPDM	1

NO.	PART	MATERIAL	QTY
4	Handle	ABS	1
5	Valve Core	PPR	1
6	Cap	ABS	1

size(mm)	dsm1(mm)		dsm2(mm)		L(mm)	H(mm)	D(mm)
	min	max	min	max			
20	18.8	19.3	19.0	19.5	73	43.0	27.5
25	23.5	24.1	23.8	24.4	84	50.6	34.8
32	30.4	31.0	30.7	31.3	102	56.8	42.2
40	38.3	38.9	38.7	39.3	108	63.5	52.5
50	48.3	48.9	48.7	49.3	125	70.8	65.3
63	61.1	61.7	61.6	62.2	148	81.5	78.0

BALL VALVE

PP-R BALL VALVE (LEVER HANDLE)



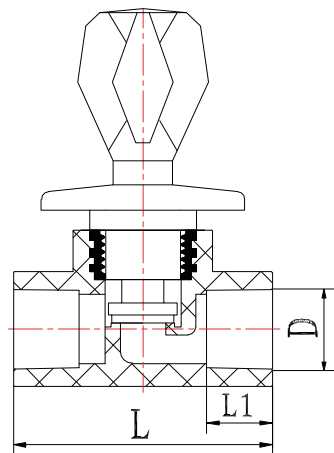
NO.	PART	MATERIAL	QTY
1	Cap	PPR	1
2	Handle	PPR	1
3	Valve Core	PPR	1
4	Seal Gasket	PP	1

NO.	PART	MATERIAL	QTY
5	O-Ring	NBR/EPDM	1
6	Seat seal	TPR/TPE	2
7	Body	PPR	1

size(mm)	Ds1(mm)		Ds2(mm)		D(mm)	L(mm)	L1(mm)
	min	max	min	max			
20	18.8	19.3	19.0	19.5	28.2	74	88
25	23.5	24.1	23.8	24.4	35.2	78	94
32	30.4	31.0	30.7	31.3	44.2	87	107
40	38.3	38.9	38.7	39.3	66	106.8	133
50	48.3	48.9	48.7	49.3	80	124	162
63	61.1	61.7	61.6	62.2	96	146	175

STOP VALVE

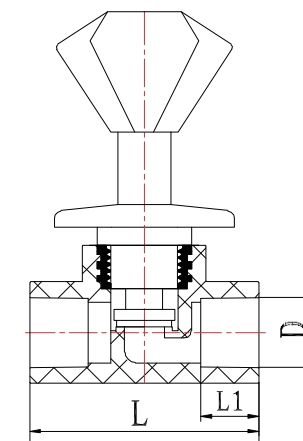
PP-R STOP VALVE A (BRASS)



size(mm)	D(mm)	L1(mm)	L(mm)
20	19.0	16.5	62
25	23.8	18.5	72
32	31.0	20.5	78

STOP VALVE

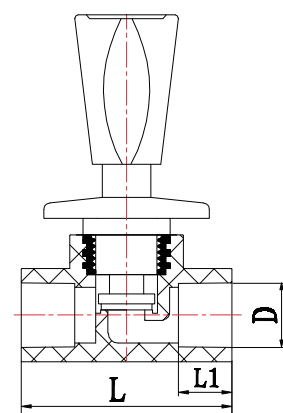
PP-R STOP VALVE C (BRASS)



size(mm)	D(mm)	L1(mm)	L(mm)
20	19.0	16.5	62
25	23.8	18.5	72
32	31.0	20.5	78

STOP VALVE

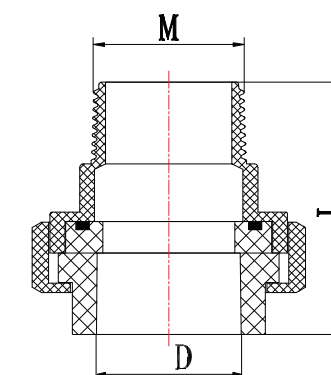
PP-R STOP VALVE B (BRASS)



size(mm)	D(mm)	L1(mm)	L(mm)
20	19.0	16.5	62
25	23.8	18.5	72
32	31.0	20.5	78

MALE UNION (BRASS)

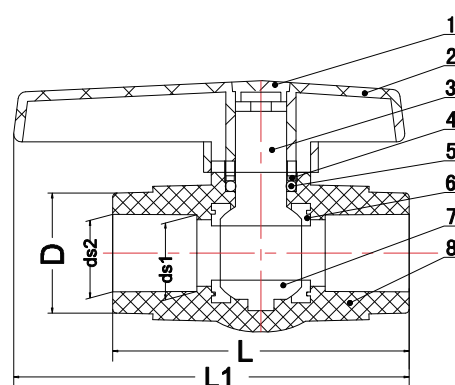
PP-R BRASS MALE THREADED UNION WITH PP-R JOINT ADAPTOR



size(mm)	D(mm)	L(mm)	M
20	19.0	55	1/2"
25	23.8	55	3/4"
32	31.0	57	1"
40	38.7	68	1-1/4"
50	48.7	75	1-1/2"
63	61.6	92	2"

BALL VALVE

PP-R BALL VALVE (BRASS CORE)



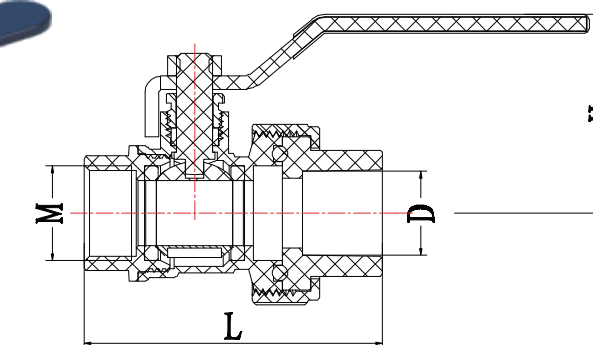
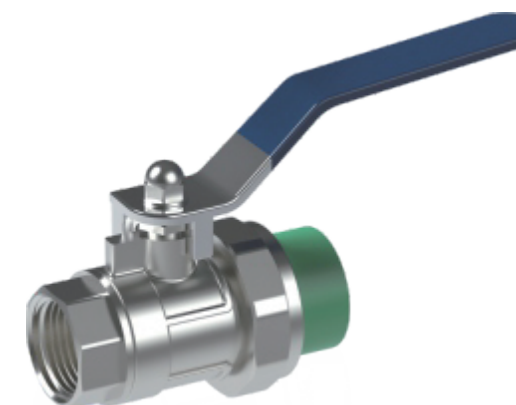
NO.	PART	MATERIAL	QTY
1	Cap	PPR	1
2	Handle	PPR	1
3	Valve Core	BRASS	1
4	Seal Gasket	PP	1

NO.	PART	MATERIAL	QTY
5	O-Ring	NBR/EPDM	1
6	Seat seal	TPR/TPE	2
7	Body	PPR	1

size(mm)	Ds1(mm)		Ds2(mm)		D(mm)	L(mm)	L1(mm)
	min	max	min	max			
20	18.8	19.3	19.0	19.5	28.2	74	88
25	23.5	24.1	23.8	24.4	35.2	78	94
32	30.4	31.0	30.7	31.3	44.2	87	107
40	38.3	38.9	38.7	39.3	66	106.8	133
50	48.3	48.9	48.7	49.3	80	124	162
63	61.1	61.7	61.6	62.2	96	146	175

FEMALE BALL VALVE (BRASS)

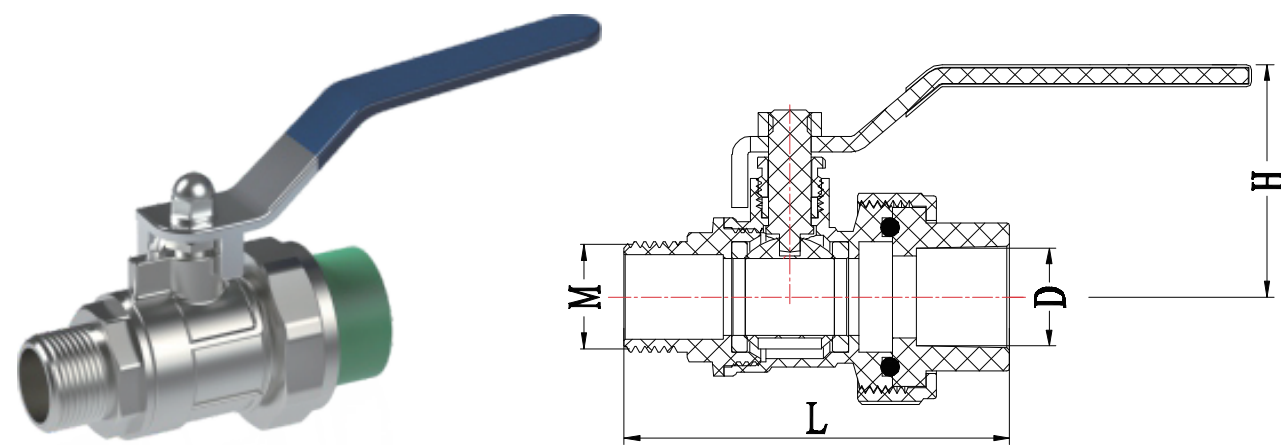
PP-R BRASS FEMALE BALL VALVE WITH UNION



size(mm)	D(mm)	L(mm)	H(mm)	M
1/2"X20	19	66.0	44	1/2
3/4"X25	24	77.5	47.5	3/4
1"X32	31	85.5	58	1

MALE BALL VALVE (BRASS)

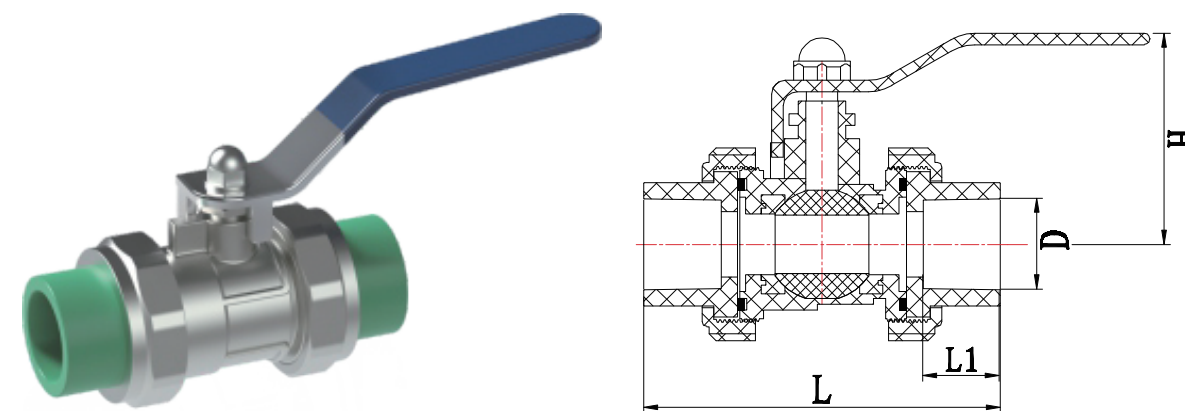
PP-R BRASS MALE BALL VALVE WITH UNION



size(mm)	D(mm)	L(mm)	H(mm)	M
1/2"X20	19.0	73.0	44	1/2
3/4"X25	23.8	81.5	47.5	3/4
1"X32	31.0	93.5	58	1

BALL VALVE (BRASS)

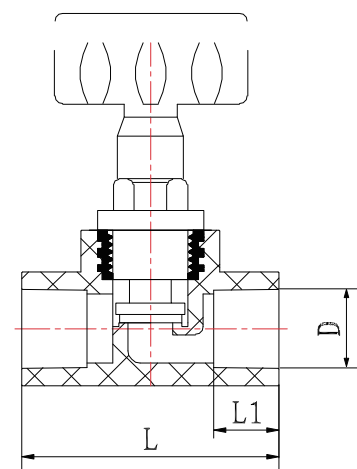
PP-R BRASS BALL VALVE WITH DOUBLE UNION



size(mm)	D(mm)	L(mm)	Z(mm)	H(mm)
20	19.0	16.5	78	44
25	23.8	18.5	83	47.5
32	31.0	20.5	96	58
40	38.7	22.5	109	76
50	48.7	25.5	129	82
63	61.6	29.5	155	82

STOP VALVE

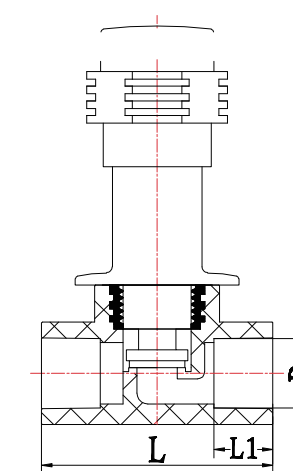
PP-R STOP VALVE D



size(mm)	D(mm)	L1(mm)	L(mm)
20	19.0	16.5	62
25	23.8	18.5	72
32	31.0	20.5	78

DARK VALVE

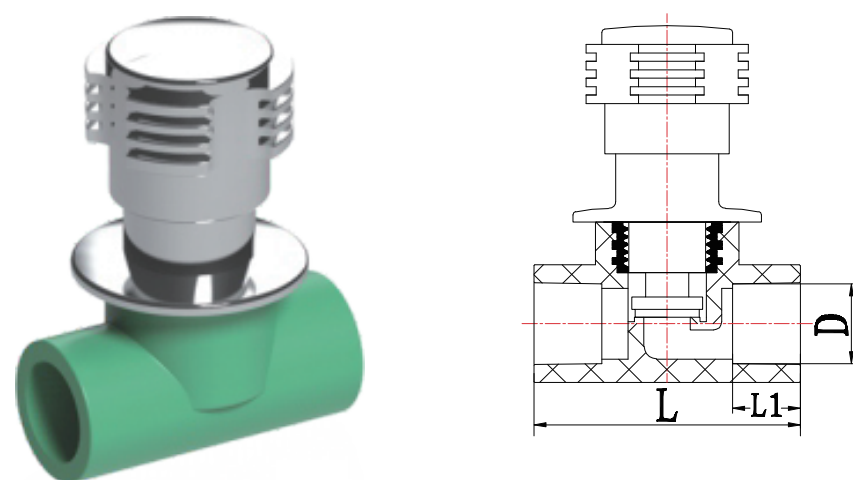
PP-R SLOW OPENING DARK VALVE



size(mm)	D(mm)	L1(mm)	L(mm)
20	19.0	15.5	67
25	23.8	17.0	82

DARK VALVE

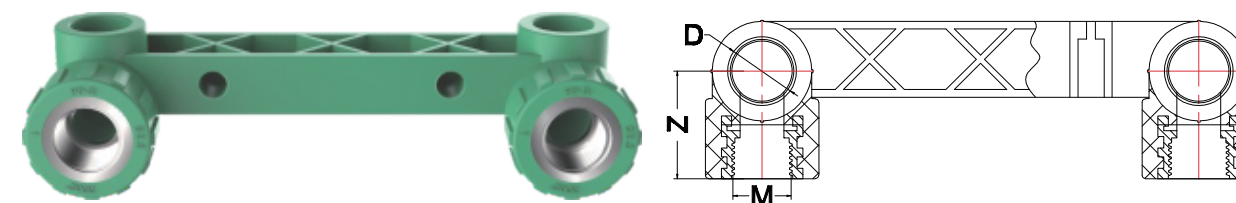
PP-R QUICK OPENING DARK VALVE



size(mm)	D(mm)	L1(mm)	L(mm)
20	19.0	15.5	67
25	23.8	17.0	82

DOUBLE FEMALE ELBOW

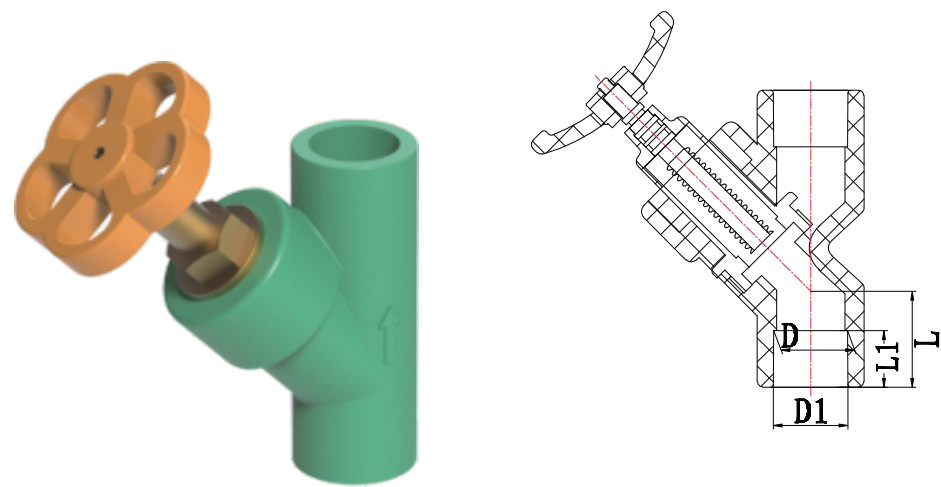
PP-R DOUBLE ONE SIDE BRASS FEMALE THREADED ELBOW WITH BATTERY CONNECTION



size(mm)	D(mm)	D1(mm)	Z(mm)
20X1/2"	19.0	1/2"	33.95
25X1/2"	23.8	1/2"	36.9

Y STOP VALVE

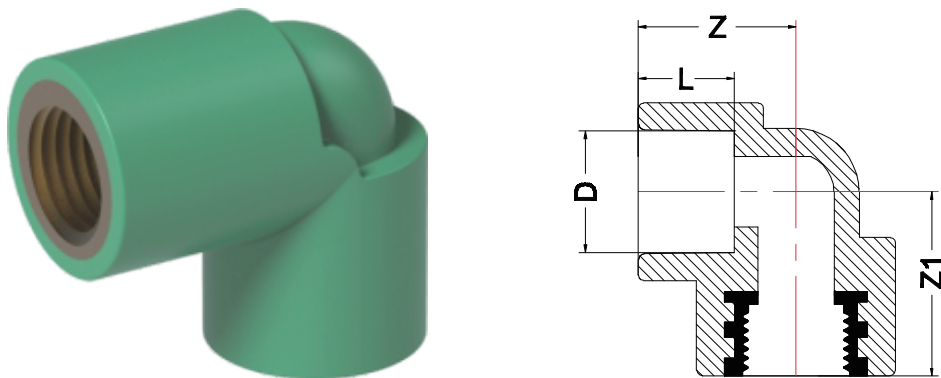
PP-R INCLINED STOP VALVE



size(mm)	D(mm)	D1(mm)	L1(mm)	L(mm)
25	23.8	24.2	17	32.55
32	31.0	31.1	19.1	38

FEMALE ELBOW (BRASS)

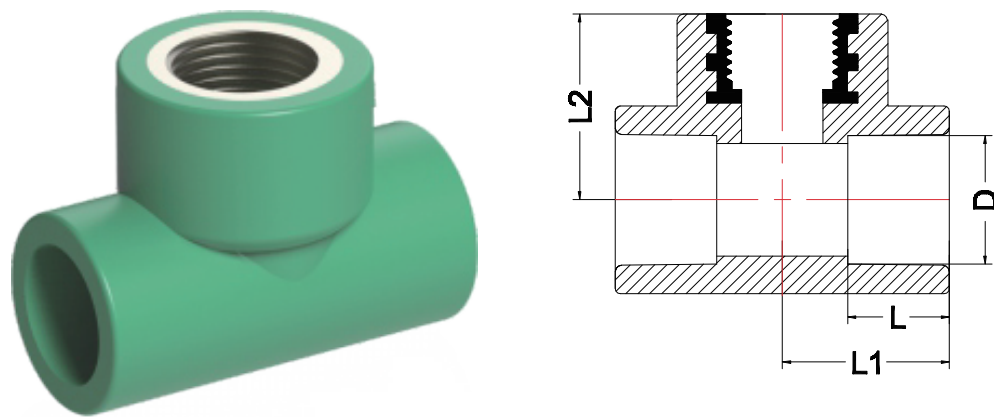
PP-R ONE SIDE BRASS FEMALE THREADED ELBOW



size(mm)	D(mm)	D1(mm)	Z(mm)	Z1(mm)
25X1/2"	23.8	18.8	30.9	36.1

STOP VALVE BODY

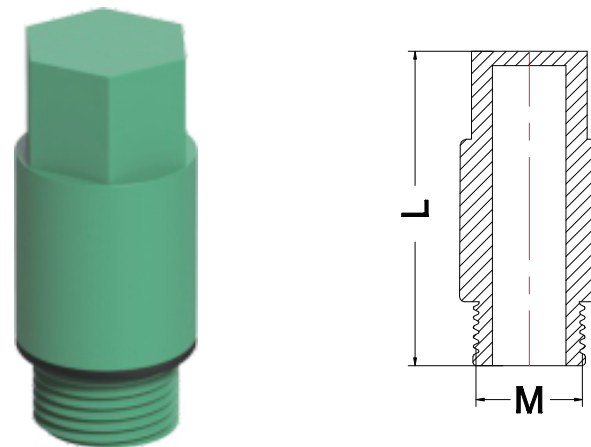
PP-R STOP VALVE BODY (BRASS THREADED)



size(mm)	D(mm)	L(mm)	L1(mm)	L2(mm)
25X1/2"	23.8	17	30.9	34.4

MALE PLUG

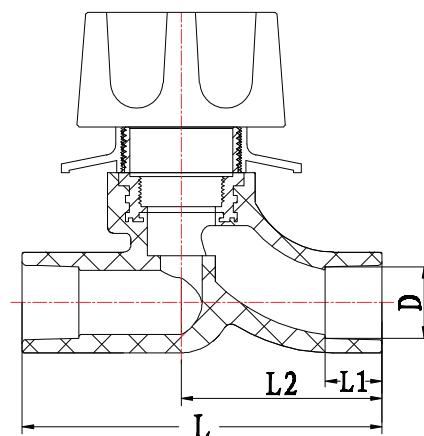
PP-R LONG BODY MALE PLUG



size(mm)	M(mm)	L(mm)
25X1/2"	1/2"	58.6

DARK VALVE

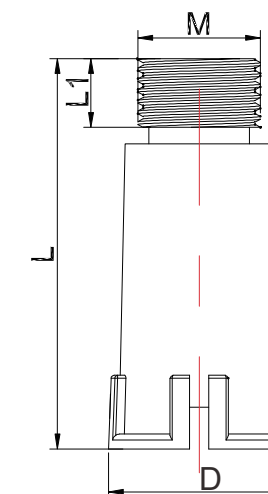
PP-R DARK VALVE



size(mm)	D(mm)	L1(mm)	L2(mm)	L(mm)
25X1/2"	19.0	15	47	95

TESTING CAP

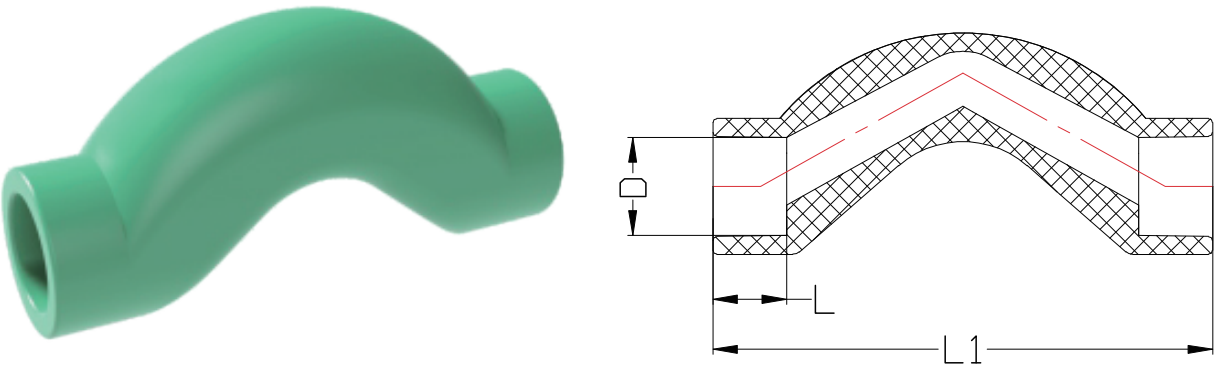
PP-R FITTING TESTING CAP



size(mm)	D(mm)	L(mm)	L1(mm)	M(mm)
1/2"	30.35	65.8	11.6	1/2"

BRIDGE

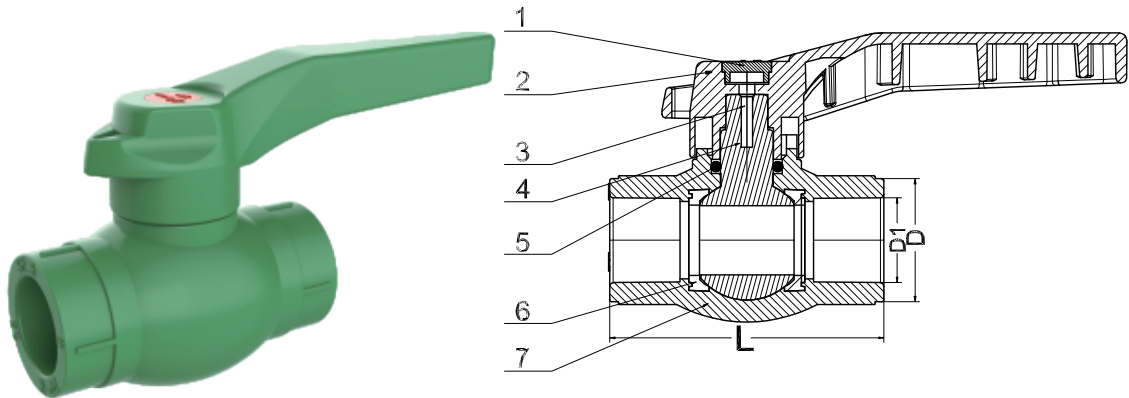
PP-R SHORT BRIDGE



size(mm)	D(mm)	L(mm)	L1(mm)
20	19.0	16	95.3
25	23.8	18	121.8

BALL VALVE

PP-R COPPER CORE BALL VALVE



NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Cap	PPR	1	5	O-Ring	NBR/EPDM	1
2	Handle	PPR	1	6	Seat seal	TPR/TPE	2
3	Screw	STAINLESS STEEL	1	7	Body	PPR	1
4	Valve Core	BRASS	1				

size(mm)	D1(mm)	D(mm)	L1(mm)
20	20	28.8	73
25	25	35	78