



WRAS. PICC ISO9001 ISO14001 ISO45001



# PLASTIC PIPING SYSTEM

PPR/PP/PE/CPVC/PVC VALVES&PIPES&FITTINGS



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2024

Technology And Quality Driven

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## ABOUT DONSEN

Donsen was established in 1996, located in NINGBO which is a developed and beautiful international port city. More than 20 years' experience in the market, we are one of the most professional manufacturer specialized in produce plastic pipeline for water supply and irrigation system.

Our main products are PP-R pipes and fittings, PP compression fittings, C-PVC pipes and fittings, U-PVC pipes and fittings, PE-RT floor heating pipes, plastic moulds and all kinds of plastic valves. For examples: PVC valves , PPR valves, C-PVC valves, BRASS valves.

Now our products are widely used in areas such as municipal drainage, civil water supply, home decoration,garden irrigation and farm irrigation etc.

For purpose of most families can use the environmental and high-quality pipe, Donsen uses fully-imported and high quality raw materials, to ensure quality, Donsen imports international advanced PPR-AL-PPR equal-thickness wall composite pipe production line, FR-PPR Fibreglass high-powered composite Pipe production line, total 15 PPR Pipe production lines, integrated feeding system, more than 100 injection machines and detection equipment.Autometic assemble machine instead of manual operation to be more secure, precise and professional.To guarantee 100% excellent quality, Donsen strictly set 3 key points in inspection and qualiy control: raw material, process and full inspection to ensure the perfect quality.

The company covers an area of more than 40000 square meters, has more than 400 workers and an excellent management team. The headquarters mainly produce PPR pipe fitting, Fengting factory mainly produce PP compression fittings, pp,pvc,cpvc fittings & valves. Sine facotry mainly produce brass fittings.Jiangxi facotry mainly produce Big size HDPE pipes & fittings. The mould workshop is responsible for the production of various kinds of plastic fittings moulds.

Depend on high quality and high efficiency, we passed the certificate ISO9001,ISO14001, ISO45001,WRAS from England and GOST from Russia、SKZ、SABS、SIAA、OTC、CE etc. The products exported to more than 100 countries, such as Venezuela, Russia, Ukraine, France, Italy, Middle East, etc. Donsen warmly welcome the partners all over the world, our principle is cooperation, participation and pullulation together! Looking for sole agent from all over the world!








**WRAS. PICC ISO9001 ISO14001 ISO45001**



100+  
Exporting Countries

95+ million  
Product Sales cumulative

Our Products Are Popular In The Following Countries:

- High Quality Production Support Market
- Developing Market Base On Credit
- Best Service To Consummate Market
- Fine Credit To Consolidate The Market



# PLANT DISTRIBUTION




# BRAND HISTORY

Brand strategy will help improve product quality and corporate image, help the product compete in the market to enhance the company's products in the customer's impression. DONSEN company currently has four brands, namely DONSEN, GOLD MEDAL SPT and POVOTE. Kindly see the definition of each brand as follows:




**DONSEN**

The developing direction of Donsen is to be the leader of building material industry, as well as a famous company in the world. In order to prove our company and products come from the Orient-China, hereby named "Don"; Another word is "Sen" it means of triumph and full of vigour. Together with the two words is "Donsen".




**Gold Medal**

Gold Medal usually is the medal gives to the No.1 who win a competition. Gold is one kind of metal, meaning rare and valuable, indicating our product is the best one.



**SPT**

SPT is a abbreviation for spirit. The enterprise spirit of Donsen is: Innovating, efficiency, cooperating, sharing.



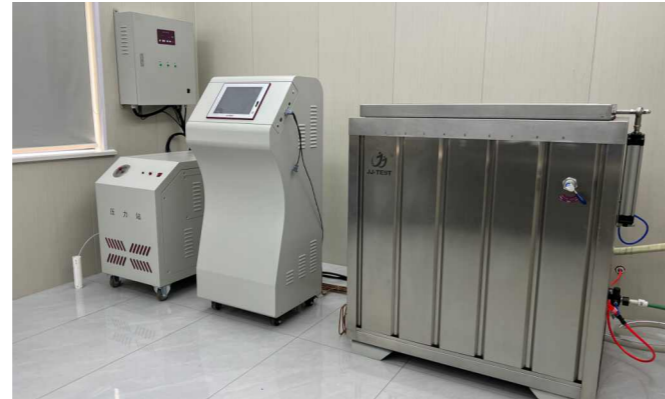
**POVOTE**

POVOTE is the abbreviation of rhinoceros, symbolized courage, also it is the marrow of our company: opening up, innovating, and the world without end.

# RESEARCH AND DEVELOPMENT / QC SYSTEM



▲ Laboratory environment



▲ Hydrostatic testing machine



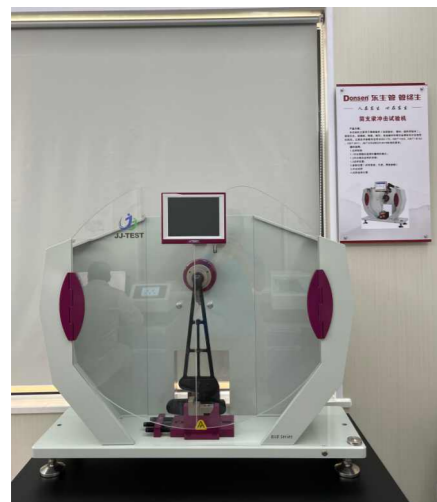
▲ Electronic Density Balance - Left  
Carbon Black Content Tester - Right



▲ Solution flow rate meter - Left  
Rapid moisture tester - Right



▲ Thermal deformation and Vicat  
softening point temperature tester



▲ Pipe simply supported beam  
impact test



▲ Universal testing machine

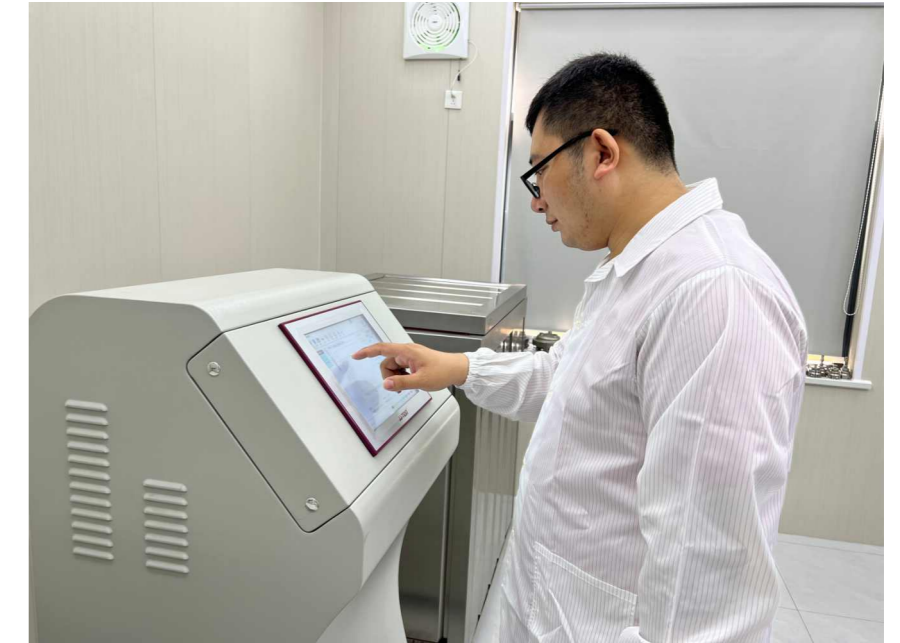


▲ Digital display box type  
resistance furnace

# RESEARCH AND DEVELOPMENT / QC SYSTEM



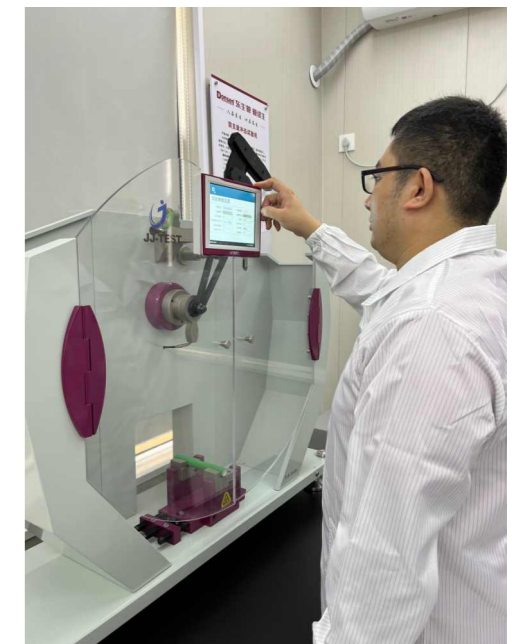
▲ Moisture content testing of plastic  
raw materials



▲ Hydrostatic testing



▲ Oxidation induction time test



▲ Pipe simply supported beam  
impact test

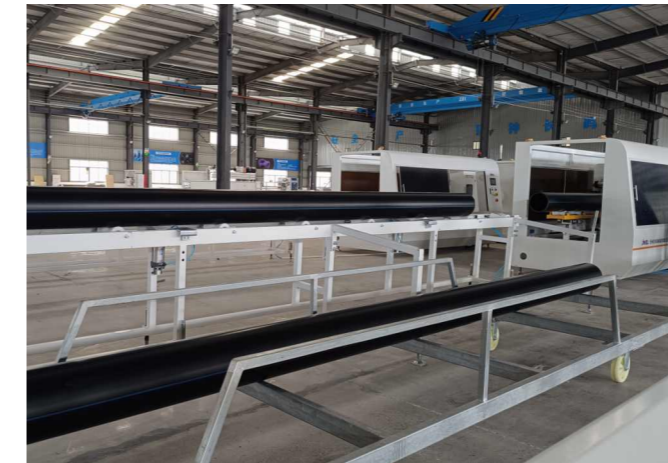
# EQUIPMENT & WORKSHOP



Automatic Feeding System



Raw Material Warehouse



HDPE Water Supply Pipe Production Workshop



HDPE Water Supply Pipe Production Workshop



Pipe Production Workshop



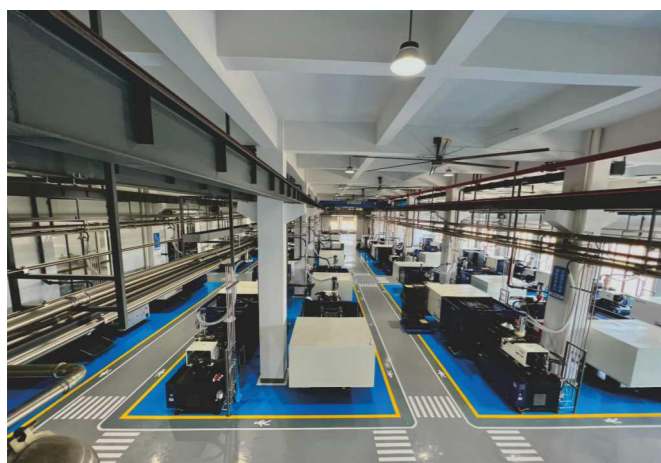
Injection Molding Workshop



Double Wall Bellows Production Workshop



Hollow Wall Winding Pipe Production Workshop



Injection Molding Workshop



The Pipe Workshop



Copper Processing Workshop



Copper Processing CNC Lathe

# INTERNATIONAL CERTIFICATIONS



High And New Technology Enterprises



Ningbo Export Famous Brand



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



ISO 10012:2003



GB/T 31950-2023



Russia GOST Certification



England WRAS Certification



South Africa SABS Certification



Europe CE Certification



Dedal Certification



Dedal Certification



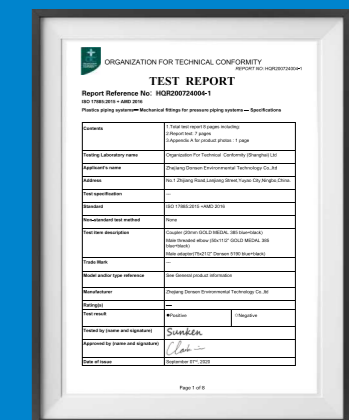
SKZ Certification



SIAA for KOHKIN Certification



SIAA for KOHKIN Certification



OTC Certification





## PVC BALL VALVE SERIES

### INTRODUCTION

High quality valves were supplied by DONSEN, which valves made by qualified raw materials, were produced under strict production flows control and must be passed by strict test of quality.

Quality inspection for key components are carried out, including body processing, valve core processing, and component surface fine machining processing. Technical test fixtures are designed by ourselves, and used to check the function for valves one by one.

### FEATURES OF PRODUCT

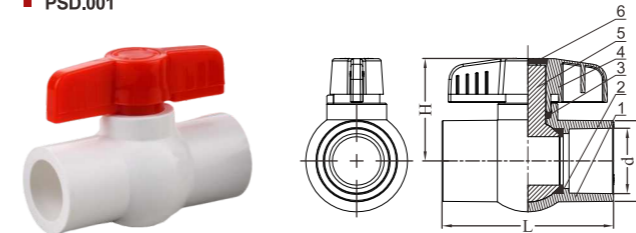
- **Light Weight:**  
The proportion is only 1/7 of the metal valves. It is convenient for handling and operation, which can save lots of manpower and installation time.
- **No Public Hazard:**  
The formula is environmental protection. The material is steady, without second contamination.
- **Corrosion-resistant:**  
With high chemical stability, plastic valves will not contaminate the water in the piping networks and can maintain the sanitation and efficiency of system. They are available for water supply transport and chemical industrial facilities.
- **Abrasion Resistance:**  
That has higher abrasion resistance than other material valves, so the service life can be longer.
- **Attractive Appearance:**  
Smooth internal and external wall, low flow-resistant, mild color and exquisite appearance.
- **Easy and Reliable Installation:**  
It adopts specified solvent adhesive for conjunction, it is convenient and quick for operating and interface can offer higher pressure resistance than that of pipe. That is safe and reliable.

### FIELDS OF APPLICATION

Plastic valves for cold and hot water transport in residential and commercial buildings, hospitals, hotel, offices, school buildings, shipbuilding etc  
 Plastic valves for swimming pools facilities  
 Plastic valves for waste water treatment  
 Plastic valves for aquaculture  
 Plastic valves for irrigation  
 Plastic valves for other industrial applications

### ● PVC Valve (PVC Ball)

■ PSD.001

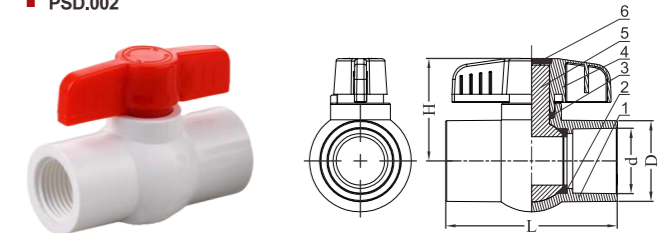


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PP	1
5	Valve Core	PVC	1
6	Cap	PP	1

Size	DIN	BS	ANSI	L	H	D	Qty/ctn
20	20	22	21.34	72	40	30	231
25	25	26	26.67	83.5	46.5	35.5	147
32	32	34	33.4	96	54	43.5	90
40	40	42	42.16	106	63	54	54
50	50	48	48.26	119	68	62	40
63	63	60	60.33	139	78	76.7	23

### ● PVC threaded Valve (PVC Ball)

■ PSD.002

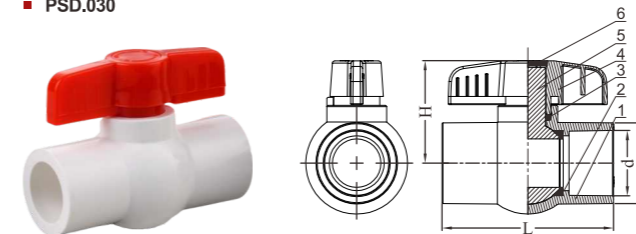


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PP	1
5	Valve Core	PVC	1
6	Cap	PP	1

Size	BSPT	NPT	L	H	D	Qty/ctn
1/2"	14	14	72	40	30	231
3/4"	14	14	83.5	46.5	35.5	147
1"	11	11.5	96	54	43.5	90
1 1/4"	11	11.5	106	63	54	54
1 1/2"	11	8	119	68	62	40
2"	11	8	139	78	76.7	23

### ● PVC Valve (PP Ball)

■ PSD.030

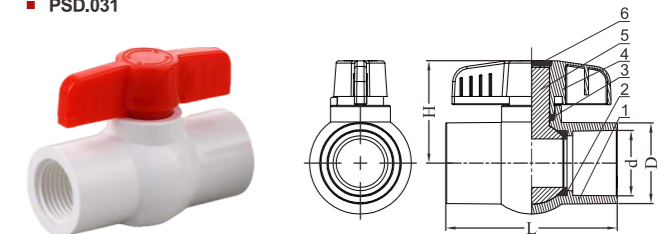


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PP	1
5	Valve Core	PP	1
6	Cap	PP	1

Size	DIN	BS	ANSI	L	H	D	Qty/ctn
20	20	22	21.34	72	40	30	231
25	25	26	26.67	83.5	46.5	35.5	147
32	32	34	33.4	96	54	43.5	90
40	40	42	42.16	106	63	54	54
50	50	48	48.26	119	68	62	40
63	63	60	60.33	139	78	76.7	23

### ● PVC threaded Valve (PP Ball)

■ PSD.031

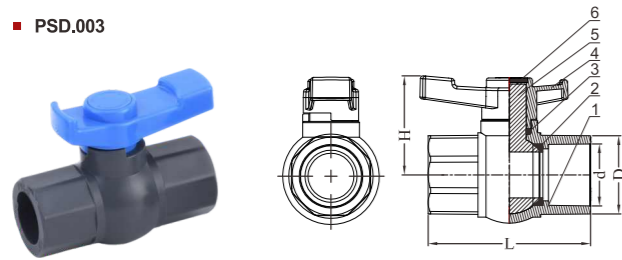


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PP	1
5	Valve Core	PP	1
6	Cap	PP	1

Size	BSPT	NPT	L	H	D	Qty/ctn
1/2"	14	14	72	40	30	231
3/4"	14	14	83.5	46.5	35.5	147
1"	11	11.5	96	54	43.5	90
1 1/4"	11	11.5	106	63	54	54
1 1/2"	11	8	119	68	62	40
2"	11	8	139	78	76.7	23

● PVC Valve (PVC Ball)

■ PSD.003

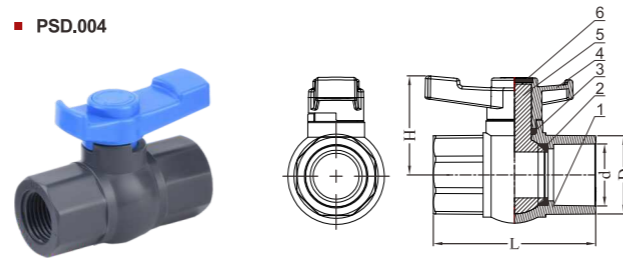


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PVC	1
5	Valve Core	PVC	1
6	Cap	PP	1

Size	DIN	BS	ANSI	L	H	D	Qty/ctn
20	20	22	21.34	72	40	30	231
25	25	26	26.67	83.5	46.5	35.5	147
32	32	34	33.4	96	54	43.5	90
40	40	42	42.16	106	63	54	54
50	50	48	48.26	119	68	62	40
63	63	60	60.33	139	78	76.7	23

● PVC threaded Valve (PVC Ball)

■ PSD.004

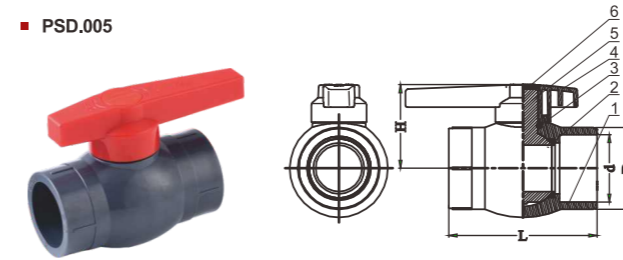


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PVC	1
5	Valve Core	PVC	1
6	Cap	PP	1

Size	BSPT	NPT	L	H	D	Qty/ctn
1/2"	14	14	72	40	30	231
3/4"	14	14	83.5	46.5	35.5	147
1"	11	11.5	96	54	43.5	90
1 1/4"	11	11.5	106	63	54	54
1 1/2"	11	8	119	68	62	40
2"	11	8	139	78	76.7	23

● PVC Valve (PVC Ball)

■ PSD.005

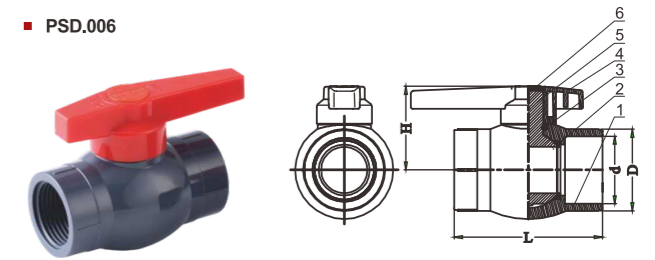


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PVC	1
5	Valve Core	PVC	1
6	Cap	PP	1

Size	DIN	BS	ANSI	L	H	D	Qty/ctn
20	20	22	21.34	72	40	30	231
25	25	26	26.67	77	46	35.5	147
32	32	34	33.4	88.5	53	43.5	90
40	40	42	42.16	106	63	54	54
50	50	48	48.26	124	68	62	40
63	63	60	60.33	139	78	76.7	23

● PVC Threaded Valve (PVC Ball)

■ PSD.006

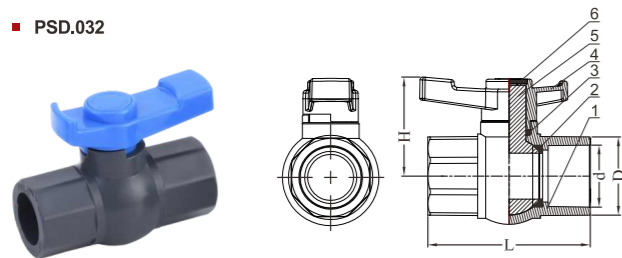


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PVC	1
5	Valve Core	PVC	1
6	Cap	PP	1

Size	BSPT	NPT	L	H	D	Qty/ctn
1/2"	14	14	72	40	30	231
3/4"	14	14	77	46	35.5	147
1"	11	11.5	88.5	53	43.5	90
1 1/4"	11	11.5	106	63	54	54
1 1/2"	11	8	124	68	62	40
2"	11	8	139	78	76.7	23

● PVC Valve (PP Ball)

■ PSD.032

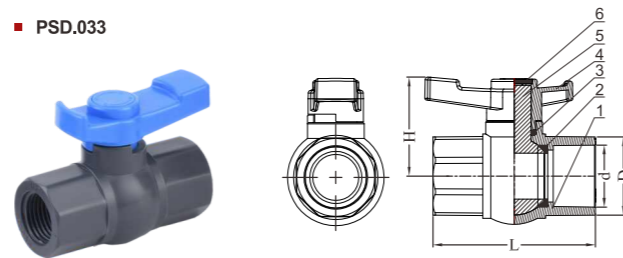


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PVC	1
5	Valve Core	PP	1
6	Cap	PP	1

Size	DIN	BS	ANSI	L	H	D	Qty/ctn
20	20	22	21.34	72	40	30	231
25	25	26	26.67	83.5	46.5	35.5	147
32	32	34	33.4	96	54	43.5	90
40	40	42	42.16	106	63	54	54
50	50	48	48.26	119	68	62	40
63	63	60	60.33	139	78	76.7	23

● PVC threaded Valve (PP Ball)

■ PSD.033

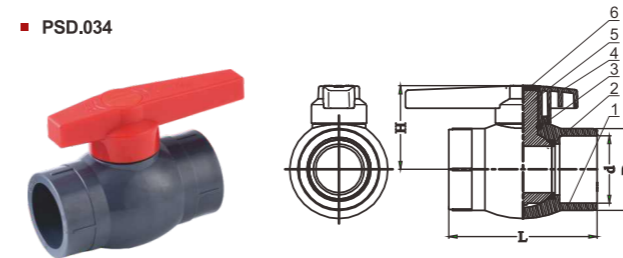


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PVC	1
5	Valve Core	PP	1
6	Cap	PP	1

Size	BSPT	NPT	L	H	D	Qty/ctn
1/2"	14	14	72	40	30	231
3/4"	14	14	83.5	46.5	35.5	147
1"	11	11.5	96	54	43.5	90
1 1/4"	11	11.5	106	63	54	54
1 1/2"	11	8	119	68	62	40
2"	11	8	139	78	76.7	23

● PVC Valve (PP Ball)

■ PSD.034

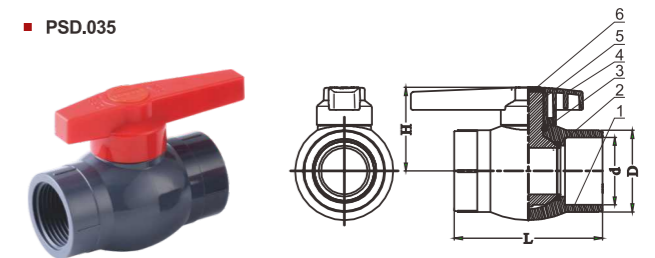


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PVC	1
5	Valve Core	PP	1
6	Cap	PP	1

Size	DIN	BS	ANSI	L	H	D	Qty/ctn
20	20	22	21.34	72	40	30	231
25	25	26	26.67	77	46	35.5	147
32	32	34	33.4	88.5	53	43.5	90
40	40	42	42.16	106	63	54	54
50	50	48	48.26	124	68	62	40
63	63	60	60.33	139	78	76.7	23

● PVC Threaded Valve (PP Ball)

■ PSD.035

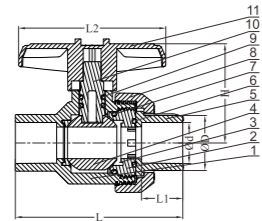


NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	TPV	2
3	O-Ring	NBR	1
4	Handle	PVC	1
5	Valve Core	PP	1
6	Cap	PP	1

Size	BSPT	NPT	L	H	D	Qty/ctn
1/2"	14	14	72	40	30	231
3/4"	14	14	77	46	35.5	147
1"	11	11.5	88.5	53	43.5	90
1 1/4"	11	11.5	106	63	54	54
1 1/2"	11	8	124	68	62	40
2"	11	8	139	78	76.7	23

● PVC Single Union Valve (Socket)

PSD.007

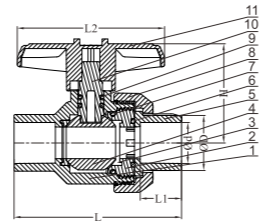


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC	1	7	O-Ring	NBR	1
2	Seat Carrier	PVC	1	8	Union Nut	PVC	1
3	Seat seal	TPV	2	9	Stem O-Ring	NBR	2
4	Ball	PVC	1	10	Stem	PVC	1
5	End Connector	PVC	1	11	Handle	PVC	1
6	O-Ring	NBR	1				

Size	DIN	ANSI	D	d	H	L	L1	L2
20	20	21.34	30	20	49.5	92.4	21.7	86
25	25	26.67	34	25	61.5	103.5	25.5	91
32	32	33.4	42	32	69.2	116.5	27.2	106.5
40	40	42.16	53	40	81	132.7	31.8	121
50	50	48.26	62	50	91.5	149	35	129
63	63	60.33	75.5	63	102	165	37.7	141

● PVC Single Union Valve (Thread)

PSD.008

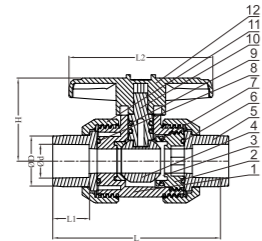


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC	1	7	O-Ring	NBR	1
2	Seat Carrier	PVC	1	8	Union Nut	PVC	1
3	Seat seal	TPV	2	9	Stem O-Ring	NBR	2
4	Ball	PVC	1	10	Stem	PVC	1
5	End Connector	PVC	1	11	Handle	PVC	1
6	O-Ring	NBR	1				

Size	BSPT	NPT	D	d	H	L	L1	L2
1/2"	14	14	30	20	49.5	92.4	21.7	86
3/4"	14	14	34	25	61.5	103.5	25.5	91
1"	11	11.5	42	32	69.2	116.5	27.2	106.5
1 1/4"	11	11.5	53	40	81	132.7	31.8	121
1 1/2"	11	8	62	50	91.5	149	35	129
2"	11	8	75.5	63	102	165	37.7	141

● PVC True Union Valve (Socket)

PSD.009

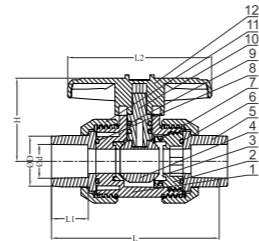


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC	1	7	O-Ring	NBR	1
2	Seat Carrier	PVC	1	8	O-Ring	NBR	1
3	Seat Seal	TPV	2	9	Stem O-Ring	NBR	2
4	Ball	PVC	1	10	Stem	PVC	1
5	End Connector	PVC	2	11	Union Nut	PVC	2
6	O-Ring	NBR	1	12	Handle	PVC	1

Size	DIN	ANSI	D	d	H	L	L1	L2
20	20	21.34	30	20	49.5	105	21.7	86
25	25	26.67	34	25	61.5	112	25.5	91
32	32	33.4	42	32	69.2	126.5	27.2	106.5
40	40	42.16	53	40	81	140.4	31.8	121
50	50	48.26	62	50	91.5	159	35	129
63	63	60.33	75.5	63	102	176.5	37.7	141

● PVC True Union Valve (Thread)

PSD.010



NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC	1	7	O-Ring	NBR	1
2	Seat Carrier	PVC	1	8	O-Ring	NBR	1
3	Seat Seal	TPV	2	9	Stem O-Ring	NBR	2
4	Ball	PVC	1	10	Stem	PVC	1
5	End Connector	PVC	2	11	Union Nut	PVC	2
6	O-Ring	NBR	1	12	Handle	PVC	1

Size	BSPT	NPT	D	d	H	L	L1	L2
1/2"	14	14	30	20	49.5	105	21.7	86
3/4"	14	14	34	25	61.5	112	25.5	91
1"	11	11.5	42	32	69.2	126.5	27.2	106.5
1 1/4"	11	11.5	53	40	81	140.4	31.8	121
1 1/2"	11	8	62	50	91.5	159	35	129
2"	11	8	75.5	63	102	176.5	37.7	141



PP-R BALL VALVE SERIES

INTRODUCTION

Donsen PPR valve adopts high-quality imported raw materials and copper ball/valve core injection molding. The working pressure at room temperature is PN20, and the maximum test pressure can withstand 50 bar.

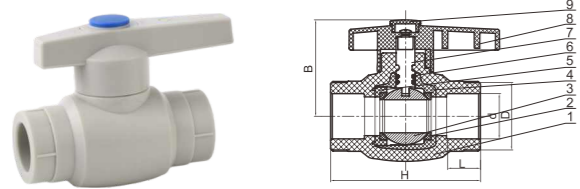
FEATURES OF PRODUCT

- Diverse in appearance and complete in specifications.
- Low cost and flexible rotation.
- High temperature and high pressure resistance.
- Hot melt connection, safe and secure.

FIELDS OF APPLICATION

Used for cold and hot water supply system and commercial buildings, hospitals, hotel, offices, school buildings, shipbuilding etc.

● A1 Type PP-R ball valve with brass ball

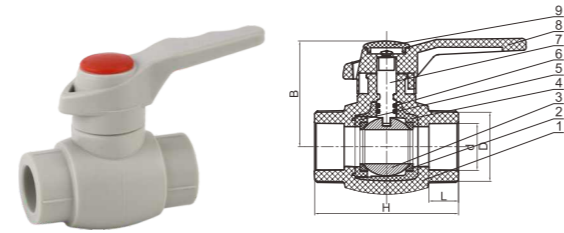


Carton size(mm):390x255x250

NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PPR	1	6	Stem O-Ring	NBR/EPDM	3
2	Seat Seal	PTFE	2	7	Stem	BRASS	1
3	Ball	BRASS	1	8	Handle	ABS	1
4	Ball Shell	PPR	1	9	Cap	PPR	1
5	End Cap	PPR	1				

Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSW101	29.2	19.2	17.5	76.6	48.5	120	14.06
25	DSW102	35.8	24.1	19	79	51.8	90	15.70
32	DSW103	44.2	31	19.5	88.3	59.3	60	16.74
40	DSW104	55	38.9	21.3	103.4	68.5	32	15.55

● B1 Type PP-R ball valve with brass ball

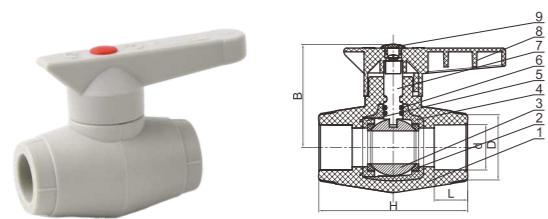


Carton size(mm):390x255x250

NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PPR	1	6	Stem O-Ring	NBR/EPDM	3
2	Seat Seal	PTFE	2	7	Stem	BRASS	1
3	Ball	BRASS	1	8	Handle	ABS	1
4	Ball Shell	PPR	1	9	Cap	PPR	1
5	End Cap	PPR	1				

Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSW114	30.2	19.2	16.3	68.7	52.4	108	13.45
25	DSW115	35.8	24.1	18.2	74.5	55	80	13.91
32	DSW116	45.6	31	20.4	85.9	59.8	48	13.57
40	DSW117	55.6	38.9	21.8	104	65.2	32	13.79
50	DSW118	68.6	48.9	23.2	114.5	78.8	20	17.14
63	DSW119	87.2	61.8	27	131.4	82.5	12	15.76

● C Type PP-R ball valve with brass ball

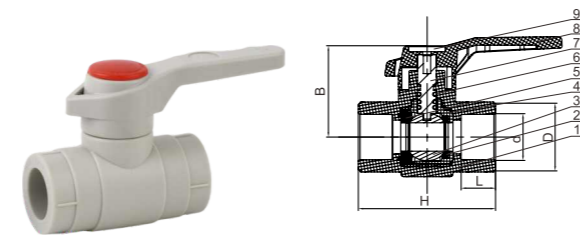


Carton size(mm):390x255x250

NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PPR	1	6	Stem O-Ring	NBR/EPDM	3
2	Seat Seal	PTFE	2	7	Stem	BRASS	1
3	Ball	BRASS	1	8	Handle	ABS	1
4	Ball Shell	PPR	1	9	Cap	PPR	1
5	End Cap	PPR	1				

Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSW120	28.9	19.2	16.3	69.5	49.1	108	12.37
25	DSW121	35.2	24.1	18.3	79.5	55.5	80	13.99
32	DSW122	43.8	31	20.1	87.8	61.3	48	13.24

● D Type PP-R ball valve with brass ball (economy)



Carton size(mm):390x255x250

NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PPR	1	6	Stem O-Ring	NBR/EPDM	3
2	Seat Seal	PTFE	2	7	Stem	BRASS	1
3	Ball	BRASS	1	8	Handle	ABS	1
4	Ball Shell	PPR	1	9	Cap	PPR	1
5	End Cap	PPR	1				

Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSW511	30	19.2	16	64.5	42.3	120	
25	DSW512	35.8	24.1	18	72.5	47.9	90	
32	DSW513	45.7	31	20	78.9	50.3	60	
40	DSW514	61	39.1	21.8	88.7	54.2	40	
50	DSW515	71	49.1	23.2	106.8	61.2	30	
63	DSW516	89	62	27.1	122.3	78	20	

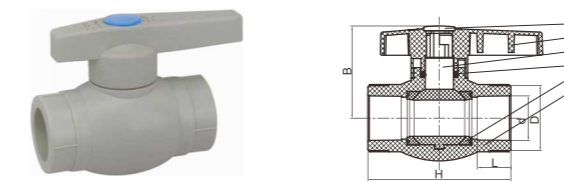
● E Type PP-R Double female threaded ball valve with brass ball



Carton size(mm):390x255x250

Size	ITEM.No.	G	H	B	Qty/ctn	Weight/ctn(kg)
1/2"	DSW301	1/2"	70.2	52.2	108	18.72
3/4"	DSW302	3/4"	75.8	54.8	80	20.1
1"	DSW303	1"	87.4	59.2	48	20.07
1 1/4"	DSW304	1 1/4"	104	64.4	32	21.21
1 1/2"	DSW305	1 1/2"	120	78.5	20	23.07
2"	DSW306	2"	132.8	82.5	12	21.09

● PP-R Ball Valve With Plastic Ball



Carton size(mm):515x400x220

NO.	PART	MATERIAL	QTY
1	Body	PPR	1
2	Seat Seal	TPE	2
3	O-Ring	NBR/EPDM	1
4	Valve Core	PPR	1
5	Handle	PPR	1
6	Cap	PPR	1

Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSW001	28.4	19.2	16.5	74.3	47.5	240	16.02
25	DSW002	35.3	24.1	18.2	77.7	52.4	150	13.42
32	DSW003	43.6	31	20.2	87.4	57.5	96	14.45

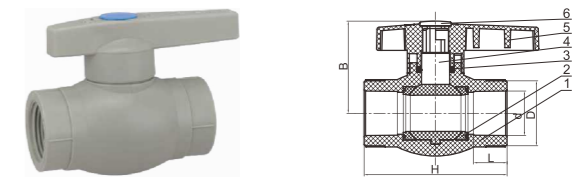
● F Type PP-R single female threaded ball valve with brass ball



Carton size(mm):390x255x250

Size	ITEM.No.	D	L	H	G	B	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSW400	19.2	16.3	70.2	1/2"	52.2	108	16.58
25x3/4"	DSW401	24.1	18	75.8	3/4"	54.8	80	17.57

● PP-R Plastic Ball Valve With Female Threaded

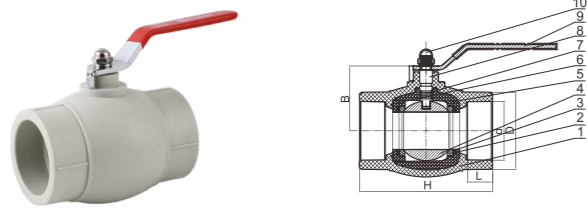


Carton size(mm):515x400x220

NO.	PART	MATERIAL	QTY
1	Body	PPR	1
2	Seat Seal	TPE	2
3	O-Ring	NBR/EPDM	1
4	Valve Core	PPR	1
5	Handle	PPR	1
6	Cap	PPR	1

Size	ITEM.No.	D	G	L	H	B	Qty/ctn	Weight/ctn(kg)
1/2"	DSW021	28.4	1/2"	16.5	74.3	47.5	240	15.06
3/4"	DSW022	35.3	3/4"	18.2	77.7	52.4	150	13.59
1"	DSW023	43.6	1"	20.2	87.4	57.5	96	14.64

● PP-R Ball Valve With Steel Ball

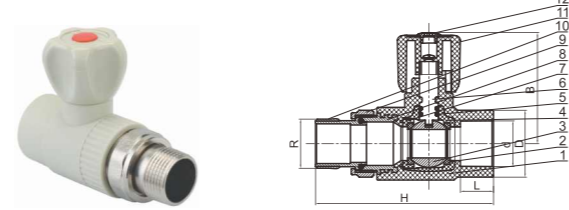


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PPR	1	6	End Cap	PPR	1
2	Seat Seal	PTFE	2	7	Stem O-Ring	NBR/EPDM	3
3	Gasket	EPDM	2	8	Stem	BRASS	1
4	Ball	IRON	1	9	Handle	IRON	1
5	Ball Shell	PPR	1	10	Nut	STEEL	1

Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
75	DSW507	95.1	73.5	33	165	82	8	14.54
90	DSW508	113	88.3	36	185	93	8	22.55
110	DSW509	132.5	108	42	215	103.5	5	22.68

Carton size(mm): DSW507: 390x255x250, 515x400x220

● PP-R Straight Radiator Brass Ball Valve

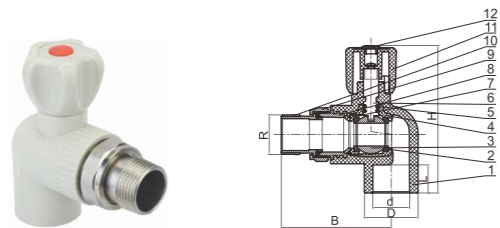


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PPR	1	7	End Cap	PPR	1
2	Seat Seal	PTFE	2	8	Copper	BRASS	1
3	Ball	BRASS	1	9	Nut	BRASS	1
4	Ball Shell	PPR	1	10	Male Copper	BRASS	1
5	Stem O-Ring	NBR/EPDM	3	11	Handle	ABS	1
6	Stem	BRASS	1	12	Cap	PPR	1

Size	ITEM.No.	D	d	L	H	B	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSW418	30	19.2	16	88	51.6	1/2"	108	18.84
25x3/4"	DSW419	35.4	24.1	17.5	94	58.3	3/4"	90	19.83

Carton size(mm): 390x255x250

● PP-R Angle Radiator Brass Ball Valve

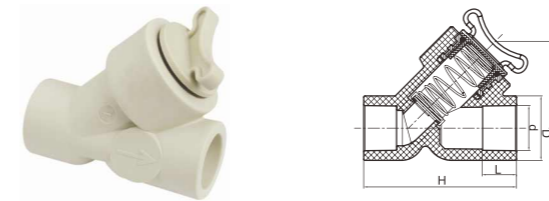


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PPR	1	7	End Cap	PPR	1
2	Seat Seal	PTFE	2	8	Copper	BRASS	1
3	Ball	BRASS	1	9	Nut	BRASS	1
4	Ball Shell	PPR	1	10	Male Copper	BRASS	1
5	Stem O-Ring	NBR/EPDM	3	11	Handle	ABS	1
6	Stem	BRASS	1	12	Cap	PPR	1

Size	ITEM.No.	D	d	L	H	B	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSW421	30	19.2	16.5	85.1	68	1/2"	90	15.97
25x3/4"	DSW422	35.4	24.1	18	95.5	72.5	3/4"	72	16.54

Carton size(mm): 390x255x250

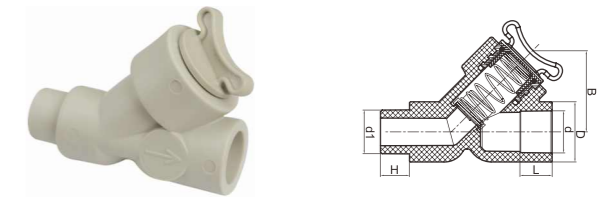
● PP-R One-way Valve-female



Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSH611	28.5	19.2	16	70.5	41.5	150	11.44
25	DSH612	34.6	24.1	18	82	47.5	90	11.00

Carton size(mm): 390x255x250

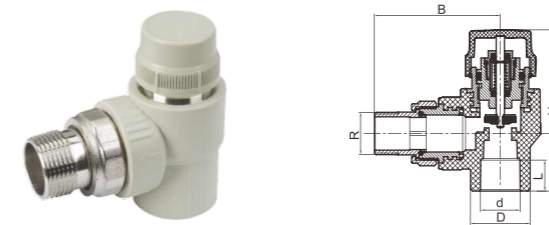
● PP-R One-way Valve-male



Size	ITEM.No.	D	d	L	H	B	d1	Qty/ctn	Weight/ctn(kg)
20	DSH621	28.5	19.2	16	15.3	41.5	20.3	150	12.20
25	DSH622	34.6	24.1	18	16.7	47.5	25.3	90	11.67

Carton size(mm): 390x255x250

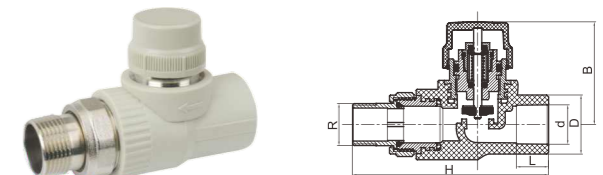
● PP-R elbow stop valve with temperature control by hand



Size	ITEM.No.	D	d	L	H	B	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSW641	29.2	19.2	16	76.6	62.2	1/2"	92	21.03
25x3/4"	DSW642	35.7	24.1	18	79.2	61.6	3/4"	80	19.92

Carton size(mm): 390x255x250

● PP-R straight stop valve with temperature control by hand



Size	ITEM.No.	D	d	L	H	B	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSW611	29.2	19.2	16	96.3	48.8	1/2"	105	24.07
25x3/4"	DSW612	35.7	24.1	18	99	49.6	3/4"	90	22.61

Carton size(mm): 390x255x250

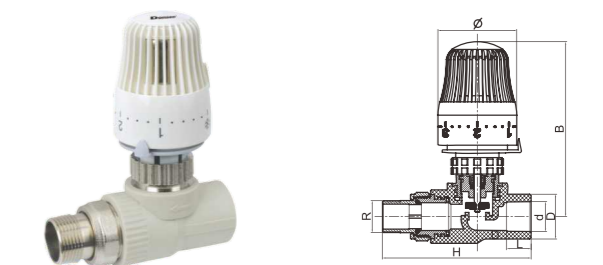
● PP-R elbow stop valve with temperature control automatically



Size	ITEM.No.	D	d	L	H	∅	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSW621	29.2	19.2	16	145.5	51	1/2"	24	8.61
25x3/4"	DSW622	35.7	24.1	18	150.5	51	3/4"	24	9.07

Carton size(mm): 390x255x250

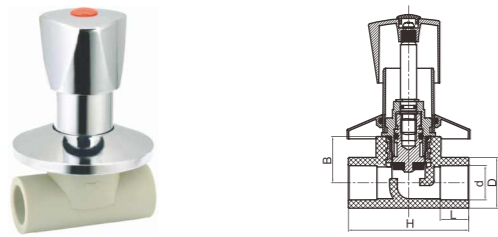
● PP-R straight stop valve with temperature control automatically



Size	ITEM.No.	D	d	L	H	∅	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSW631	29.2	19.2	16	96.3	51	1/2"	24	8.65
25x3/4"	DSW632	35.7	24.1	18	99	51	3/4"	24	9.15

Carton size(mm): 390x255x250

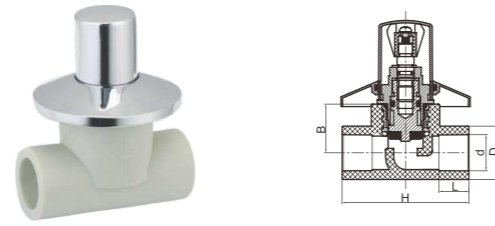
● New Luxurious Stop Valve



Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSH101	28.4	19.2	16	67.3	26	70	20.77
25	DSH102	34.5	24.1	17.8	78	31	50	18.52
32	DSH103	43	31	19.8	79.6	33.7	40	15.60

Carton size(mm): 390x255x250

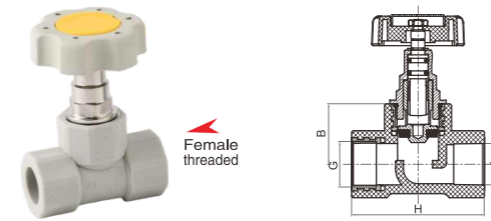
● Concealed Stop Valve



Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSH201	28.4	19.2	16	67.3	26	70	17.02
25	DSH202	34.5	24.1	17.8	78	31	50	14.76
32	DSH203	43	31	19.8	79.6	33.7	40	12.60

Carton size(mm): 390x255x250

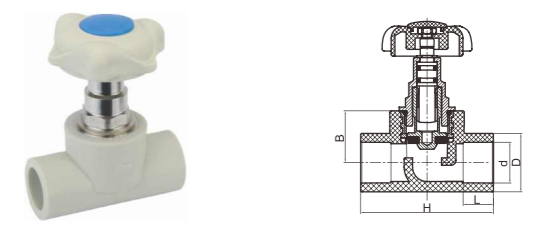
● PP-R Single Female Threaded Stop Valve



Size	ITEM.No.	d	H	G	B	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSH310	19.2	67	1/2"	31.7	84	16.15
25x3/4"	DSH311	24.1	77.8	3/4"	35.7	64	17.32
32x1"	DSH312	31	84	1"	43	48	21.67
40x1 1/4"	DSH313	38.9	108.2	1 1/4"	54	32	22.26
50x1 1/2"	DSH314	48.9	115.8	1 1/2"	60.4	20	17.78
63x2"	DSH315	61.8	130.4	2"	66.8	12	14.24

Carton size(mm): 390x255x250

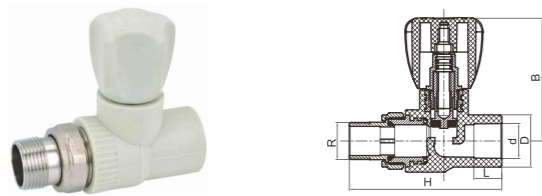
● Heavy Stop Valve



Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSH023	28.4	19.2	16	67.3	26	91	14.68
25	DSH024	34.5	24.1	17.8	78	31	64	14.74
32	DSH025	43	31	19.8	79.6	33.7	48	12.02
40	DSH026	55	38.9	22	95.2	42.6	32	12.76
50	DSH027	67	48.9	25	110.4	53	20	12.40
63	DSH028	84	61.8	27	122	64	12	10.34

Carton size(mm): 390x255x250

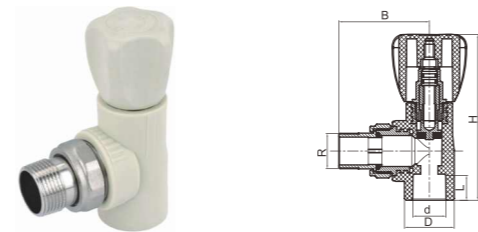
● PP-R Stop Valve With Straight



Size	ITEM.No.	D	d	L	H	B	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSH501	29	19.2	15.5	85	69	1/2"	100	20.49
25x3/4"	DSH502	35.5	24.1	17.2	96.1	73	3/4"	80	23.41

Carton size(mm): 390x255x250

● PP-R Stop Valve With Elbow



Size	ITEM.No.	D	d	L	H	B	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSH601	29	19.2	25	95.7	53.2	1/2"	110	22.26
25x3/4"	DSH602	35.5	24.1	17	105.5	57.5	3/4"	80	22.91

Carton size(mm): 390x255x250

PP-R Double female threaded concealed stop valve



Size	ITEM.No.
1/2"	DSH322
3/4"	DSH323

PP-R double female threaded stop valve



Size	ITEM.No.
1/2"	DSH301
3/4"	DSH302
1"	DSH303
1 1/4"	DSH304
1 1/2"	DSH305
2"	DSH306

Heavy stop valve



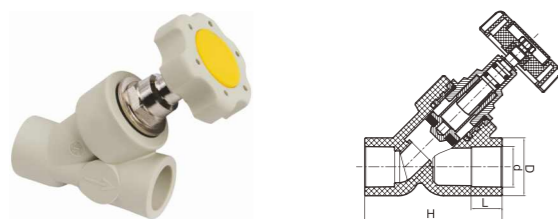
Size	ITEM.No.
20	DSH011
25	DSH012
32	DSH013
40	DSH014
50	DSH015
63	DSH016

Heavy stop valve



Size	ITEM.No.
20	DSH111
25	DSH112
32	DSH113
40	DSH114
50	DSH115
63	DSH116

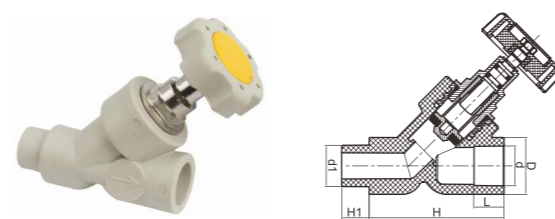
● Y Type Stop Valve-female



Size	ITEM.No.	D	d	L	H	Qty/ctn	Weight/ctn(kg)
20	DSH511	28.5	19.2	16	70.5	90	15.77
25	DSH512	34.6	24.1	18	82	60	15.48

Carton size(mm): 390x255x250

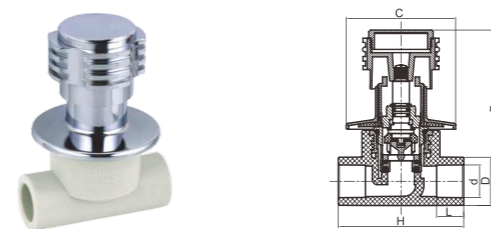
● Y Type Stop Valve-male



Size	ITEM.No.	D	d	L	H	H1	d1	Qty/ctn	Weight/ctn(kg)
20	DSH501	28.5	19.2	16	70.5	15.3	20.3	80	14.50
25	DSH502	34.6	24.1	18	82	16.7	25.3	55	14.85

Carton size(mm): 390x255x250

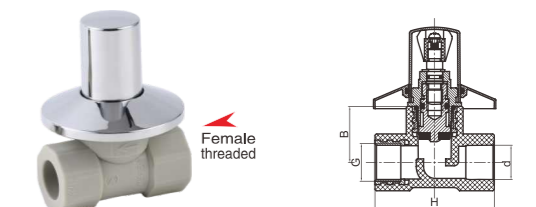
● PP-R Concealed Porcelain Core Valve



Size	ITEM.No.	D	d	L	H	B	C	Qty/ctn	Weight/ctn(kg)
20	DSH401	28.4	19.2	16	67.3	103.5	64.5	60	21.73
25	DSH402	34.5	24.1	17.9	78	106	64.5	55	20.31

Carton size(mm): 390x255x250

● PP-R Single Female Threaded Concealed Stop Valve



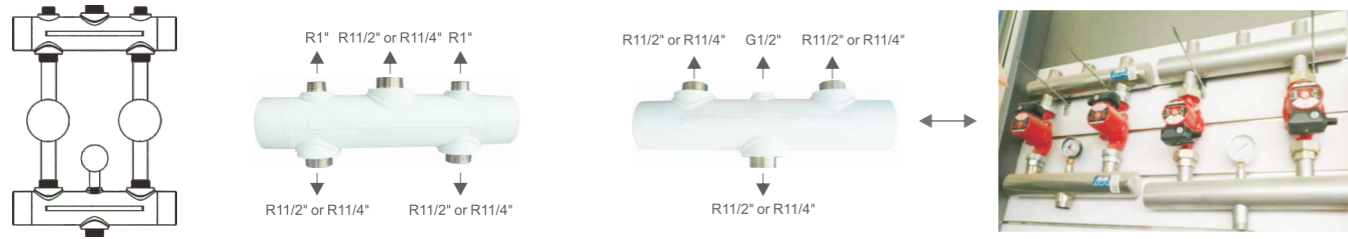
Size	ITEM.No.	d	G	H	B	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSH326	19.2	1/2"	67	31.7	70	18.91
25x3/4"	DSH327	24.1	3/4"	77.8	35.7	50	16.61

Carton size(mm): 390x255x250

## ● PP MIXING TANK

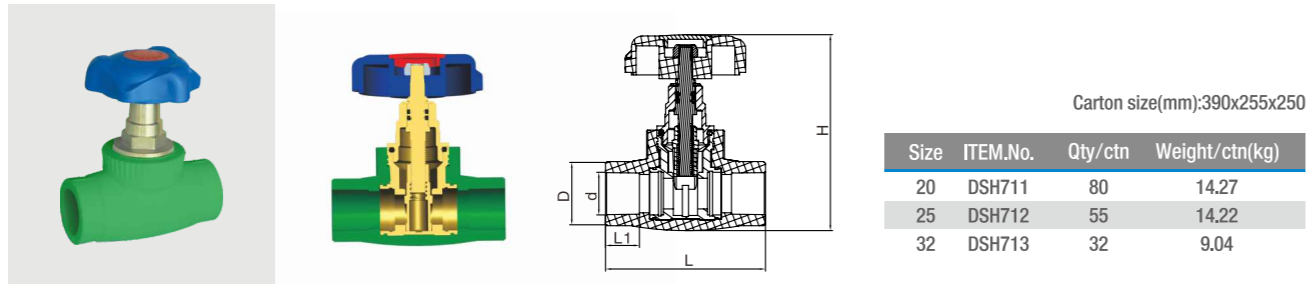
Mixing tank is a kind of buffer pressure device which can buffer the terminal heating system and the boiler's pressure.

PP Mixing tank drawing



## ● PP-R GATE VALVE

PP-R gate valve is a valve which is to open or close the media channel by handle rotation, lifting or lowering the gate.



## ● PP-R SHOWER SERIES

Donsen PPR crossing shower valve is a mixing valve which is conveying hot water at one end and cold water at the other end.



Φ20-25

Φ20

Donsen PPR in-wall mounted up-down control valve is a mixing shower valve which can control the water outlet from up or down by the middle rocker and convey the hot water at one end and cold water at the other end.



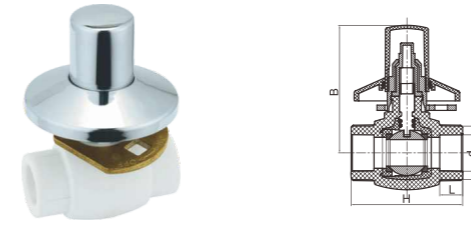
Φ20-25

Φ20-25

Donsen PP-R single shower valve: conveying hot or cold water.

PP-R mixer shower is a kind of valve which is controlled by middle valve core, conveyed hot water at one end and cold water at the other end.

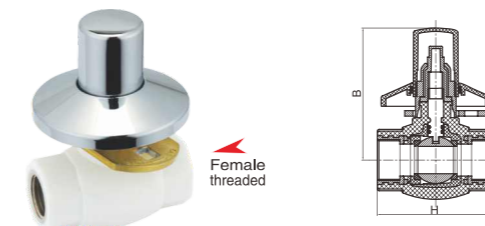
## ● B6 Type PP-R Concealed Installation Ball Valve With Brass Ball



Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSW126	30.2	19.2	16.3	68.7	79.6	70	16.31
25	DSW127	35.8	24.1	18.2	74.5	82.1	50	14.58

Carton size(mm): 390x255x250

## ● E6 Type PP-R Double Female Threaded Concealed Ball Valve With Brass Ball



Size	ITEM.No.	G	H	B	Qty/ctn	Weight/ctn(kg)
1/2"	DSW412	1/2"	70.2	78.9	70	18.62
3/4"	DSW413	3/4"	75.8	81.4	50	17.29

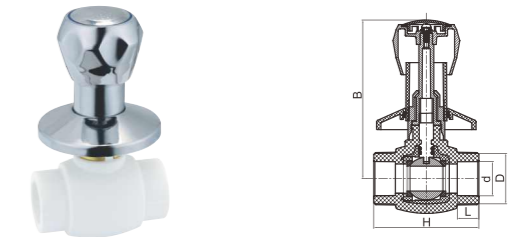
Carton size(mm): 390x255x250

## ● F6 PP-R Single Female Threaded Concealed Ball Valve With Brass Ball



Size	ITEM.No.
20x1/2"	DSW409
25x3/4"	DSW410

## ● B7 Type Luxurious PP-R Conceal Installation Ball Valve With Brass Ball



Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSW403	30.2	19.2	16.3	68.7	107.9	50	19.55
25	DSW404	35.8	24.1	18.2	74.5	110.4	40	17.74

Carton size(mm): 390x255x250

## ● E7 Type PP-R Double Female Threaded Luxurious Ball Valve With Brass Ball



Size	ITEM.No.	G	H	B	Qty/ctn	Weight/ctn(kg)
1/2"	DSW415	1/2"	70.2	107.2	50	21.92
3/4"	DSW416	3/4"	75.8	109.7	40	20.73

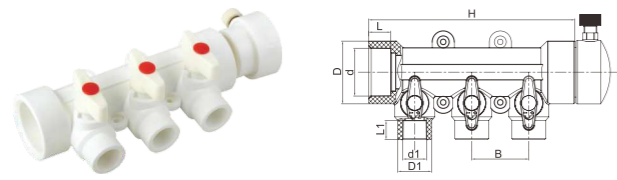
Carton size(mm): 390x255x250

## ● F7 Type PP-R Single Female Threaded Luxurious Ball Valve With Brass Ball



Size	ITEM.No.
20x1/2"	DSW406
25x3/4"	DSW407

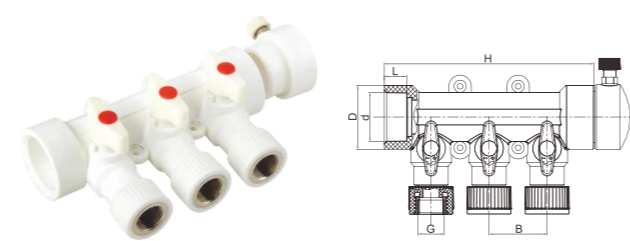
● PP-R Manifold-welding



Size	ITEM.No.	Ways	D	d	L	D1	d1	L1	B	H	Qty/ctn
40x20	PW501	2	51.7	38.9	18	27.5	19.2	15.5	46.5	121.5	45
40x20	PW502	3	51.7	38.9	18	27.5	19.2	15.5	46.5	168	30
40x20	PW503	4	51.7	38.9	18	27.5	19.2	15.5	46.5	214.5	24
40x20	PW504	5	51.7	38.9	18	27.5	19.2	15.5	46.5	261	18
40x20	PW505	6	51.7	38.9	18	27.5	19.2	15.5	46.5	307.5	18

Carton size(mm): 515x400x220

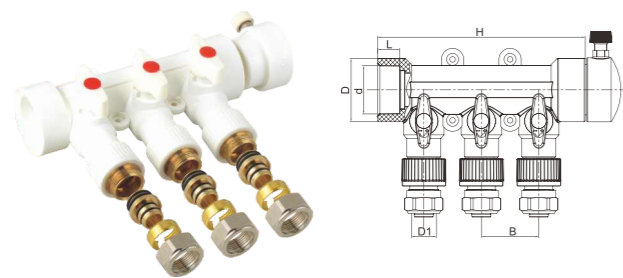
● PP-R Manifold block FT



Size	ITEM.No.	Ways	D	d	L	G	B	H	Qty/ctn
40x1/2"	PW601	2	51.7	38.9	18	1/2"	46.5	121.5	36
40x1/2"	PW602	3	51.7	38.9	18	1/2"	46.5	168	24
40x1/2"	PW603	4	51.7	38.9	18	1/2"	46.5	214.5	18
40x1/2"	PW604	5	51.7	38.9	18	1/2"	46.5	261	15
40x1/2"	PW605	6	51.7	38.9	18	1/2"	46.5	307.5	13

Carton size(mm): 515x400x220

● PP-R Manifold



Size	ITEM.No.	Ways	D	d	L	D1	B	H	Qty/ctn
40x20	PW801	2	51.7	38.9	18	20	46.5	121.5	29
40x20	PW802	3	51.7	38.9	18	20	46.5	168	20
40x20	PW803	4	51.7	38.9	18	20	46.5	214.5	16
40x20	PW804	5	51.7	38.9	18	20	46.5	261	13
40x20	PW805	6	51.7	38.9	18	20	46.5	307.5	11

Carton size(mm): 515x400x220

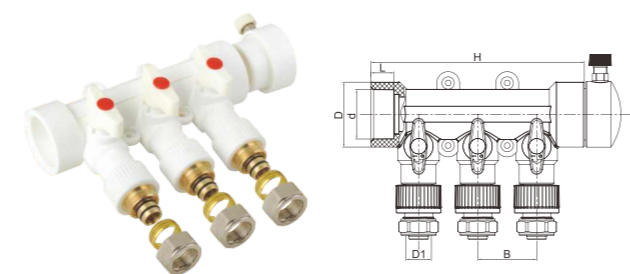
● PP-R Manifold



Size	ITEM.No.	D	d	L	D1	D2	B	H	Qty/ctn
40x16	PI801	52.3	38.9	20	16	40	56.8	252	40

Carton size(mm): 515x400x220

● PP-R Manifold



Size	ITEM.No.	Ways	D	d	L	D1	B	H	Qty/ctn
40x16	PW851	2	51.7	38.9	18	16	46.5	121.5	29
40x16	PW852	3	51.7	38.9	18	16	46.5	168	20
40x16	PW853	4	51.7	38.9	18	16	46.5	214.5	16
40x16	PW854	5	51.7	38.9	18	16	46.5	261	13
40x16	PW855	6	51.7	38.9	18	16	46.5	307.5	11

Carton size(mm): 515x400x220

Size	ITEM.No.	Ways	D	d	L	D1	B	H	Qty/ctn
40x20	PW701	2	51.7	38.9	18	20	46.5	121.5	29
40x20	PW702	3	51.7	38.9	18	20	46.5	168	20
40x20	PW703	4	51.7	38.9	18	20	46.5	214.5	16
40x20	PW704	5	51.7	38.9	18	20	46.5	261	13
40x20	PW705	6	51.7	38.9	18	20	46.5	307.5	11

Carton size(mm): 515x400x220



# PP BALL VALVES SERIES

## INTRODUCTION

Donsen PP valve is assembled by injection molding high-quality imported raw materials and plastic ball cores, with a working pressure of PN10 at room temperature.

## FEATURES OF PRODUCT

- Good impact resistance.
- Quick and easy to operate.
- Good sealing performance.

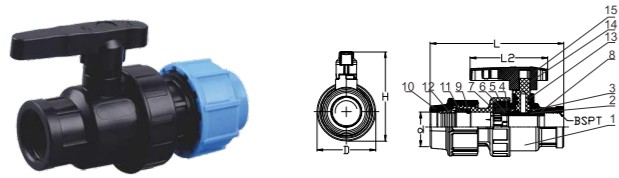
## FIELDS OF APPLICATION

Civil buildings, industrial applications, agriculture, garden irrigation water supply and drainage systems.



PP Quick Push Fit female Threaded Single Union Ball Valve

COD.2035

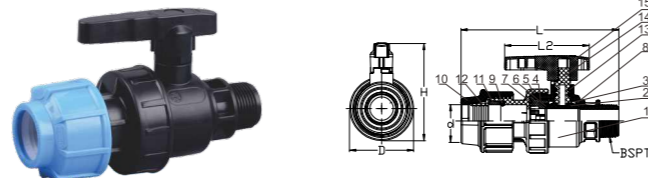


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	9	O-Ring	NBR	1
2	Ball	PP	1	10	Nut	PP	1
3	Seat seal	TPE	2	11	Blocking bush	PP	1
4	Seat Carrier	PP	1	12	Clinching ring	POM	1
5	Union Nut	PP	1	13	Stem O-Ring	NBR	2
6	O-Ring	NBR	1	14	Stem	PVC	1
7	O-Ring	NBR	1	15	Handle	PP	1
8	O-Ring	NBR	2				

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20X1/2"	20	14	113	65	48	75	10	105
25X3/4"	25	14	127	77	57	87	10	68
32X1"	32	11	147	85	65	98	10	47
40X1 1/4"	40	11	172	95	78	114	10	50
50X1 1/2"	50	11	203	118	94	137	10	40
63X2"	63	11	237	139	114	167	10	18

PP Quick Push Fit Male Threaded Single Union Ball Valve

COD.2038

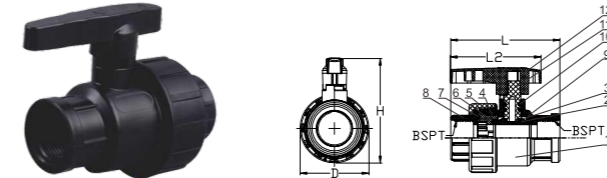


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	9	O-Ring	NBR	1
2	Ball	PP	1	10	Nut	PP	1
3	Seat seal	TPE	2	11	Blocking bush	PP	1
4	Seat Carrier	PP	1	12	Clinching ring	POM	1
5	Union Nut	PP	1	13	Stem O-Ring	NBR	2
6	O-Ring	NBR	1	14	Stem	PVC	1
7	O-Ring	NBR	1	15	Handle	PP	1
8	O-Ring	NBR	2				

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20X1/2"	20	14	120	65	48	75	10	82
25X3/4"	25	14	138	77	57	87	10	52
32X1"	32	11	160	85	65	98	10	36
40X1 1/4"	40	11	184	95	78	114	10	40
50X1 1/2"	50	11	216	118	94	137	10	26
63X2"	63	11	254	139	114	167	10	18

PP Double Female Threaded Single Union Ball Valve

COD.2037

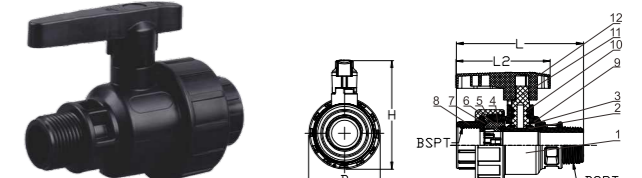


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	7	O-Ring	NBR	1
2	Ball	PP	1	8	Female Adaptor	PP	1
3	Seat seal	TPE	2	9	O-Ring	NBR	2
4	Seat Carrier	PP	1	10	Stem O-Ring	NBR	2
5	Union Nut	PP	1	11	Stem	PVC	1
6	O-Ring	NBR	1	12	Handle	PP	1

SIZE	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
1/2"X1/2"	14	78	65	48	75	10	110
3/4"X3/4"	14	90	77	57	87	10	75
1"X1"	11	103	85	65	98	10	48
1 1/4"X1 1/4"	11	118	95	78	114	10	50
1 1/2"X1 1/2"	11	139	118	94	137	10	40
2"X2"	11	163	139	112	166	10	18

PP Male And Female Threaded Single Union Ball Valve

COD.2040

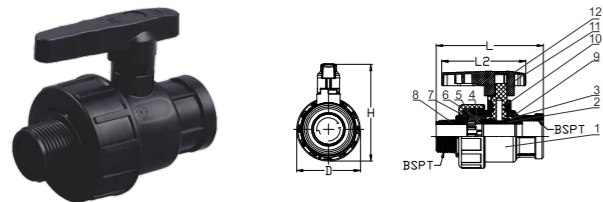


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	7	O-Ring	NBR	1
2	Ball	PP	1	8	Female Adaptor	PP	1
3	Seat seal	TPE	2	9	O-Ring	NBR	2
4	Seat Carrier	PP	1	10	Stem O-Ring	NBR	2
5	Union Nut	PP	1	11	Stem	PVC	1
6	O-Ring	NBR	1	12	Handle	PP	1

SIZE	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
1/2"X1/2"	14	85	65	48	75	10	110
3/4"X3/4"	14	101	77	57	87	10	75
1"X1"	11	115	85	65	98	10	48
1 1/4"X1 1/4"	11	130	95	78	114	10	50
1 1/2"X1 1/2"	11	152	118	94	137	10	40
2"X2"	11	180	139	112	166	10	18

PP Female And Male Threaded Single Union Ball Valve

COD.2036

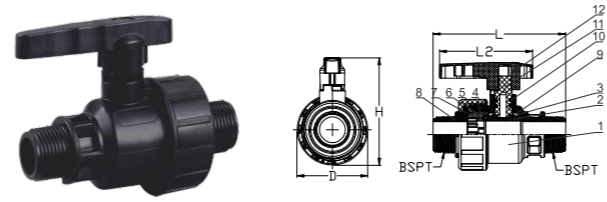


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	7	O-Ring	NBR	1
2	Ball	PP	1	8	Male Adaptor	PP	1
3	Seat seal	TPE	2	9	O-Ring	NBR	2
4	Seat Carrier	PP	1	10	Stem O-Ring	NBR	2
5	Union Nut	PP	1	11	Stem	PVC	1
6	O-Ring	NBR	1	12	Handle	PP	1

SIZE	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
1/2"X1/2"	14	81	65	48	75	10	110
3/4"X3/4"	14	94	77	57	87	10	75
1"X1"	11	109	85	65	98	10	48
1 1/4"X1 1/4"	11	124	95	78	114	10	50
1 1/2"X1 1/2"	11	140	118	94	137	10	40
2"X2"	11	164	139	112	166	10	18

PP Double Male Threaded Single Union Ball Valve

COD.2039

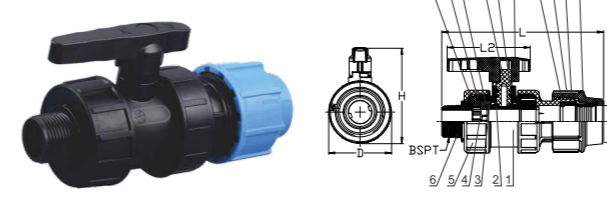


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	7	O-Ring	NBR	1
2	Ball	PP	1	8	Male Adaptor	PP	1
3	Seat seal	TPE	2	9	O-Ring	NBR	2
4	Seat Carrier	PP	1	10	Stem O-Ring	NBR	2
5	Union Nut	PP	1	11	Stem	PVC	1
6	O-Ring	NBR	1	12	Handle	PP	1

SIZE	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
1/2"X1/2"	14	88	65	48	75	10	110
3/4"X3/4"	14	105	77	57	87	10	75
1"X1"	11	121	85	65	98	10	48
1 1/4"X1 1/4"	11	136	95	78	114	10	50
1 1/2"X1 1/2"	11	153	118	94	137	10	40
2"X2"	11	181	139	112	166	10	18

PP Double Union Ball Valve(M And St)

COD.2041

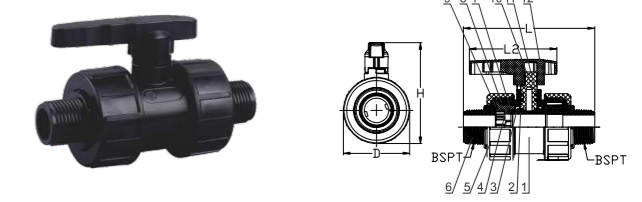


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	9	O-Ring	NBR	1
2	Ball	PP	1	10	O-Ring	NBR	1
3	Seat seal	TPE	2	11	Nut	PP	1
4	Seat Carrier	PP	1	12	Blocking bush	PP	1
5	Union Nut	PP	2	13	Clinching ring	POM	1
6	Male Adaptor	PP	1	14	Stem	PVC	1
7	O-Ring	NBR	1	15	Stem O-Ring	NBR	2
8	O-Ring	NBR	2	16	Handle	PP	1

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20X1/2"	20	14	128	65	48	75	10	82
25X3/4"	25	14	145	77	57	87	10	52
32X1"	32	11	166	85	65	98	10	36
40X1 1/4"	40	11	189	95	78	114	10	40
50X1 1/2"	50	11	226	118	94	137	10	26
63X2"	63	11	265	139	114	167	10	12

PP Male Threaded Double Union Ball Valve

COD.2044



NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	7	O-Ring	NBR	1
2	Ball	PP	1	8	O-Ring	NBR	2
3	Seat seal	TPE	2	9	O-Ring	NBR	1
4	Seat Carrier	PP	1	10	Stem	PVC	1
5	Union Nut	PP	2	11	Stem O-Ring	NBR	2
6	Male Adaptor	PP	2	12	Handle	PP	1

SIZE	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
1/2"X1/2"	14	95	65	48	75	10	110
3/4"X3/4"	14	112	77	57	87	10	75
1"X1"	11	128	85	65	98	10	48
1 1/4"X1 1/4"	11	142	95	78	114	10	
1 1/2"X1 1/2"	11	164	118	94	137	10	
2"X2"	11	192	139	112	166	10	

PP Double Union Ball Valve(F And St)

COD.2042

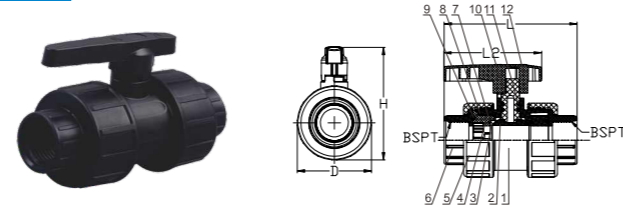


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	9	O-Ring	NBR	1
2	Ball	PP	1	10	O-Ring	NBR	1
3	Seat seal	TPE	2	11	Nut	PP	1
4	Seat Carrier	PP	1	12	Blocking bush	PP	1
5	Union Nut	PP	2	13	Clinching ring	POM	1
6	Female Adaptor	PP	1	14	Stem	PVC	1
7	O-Ring	NBR	1	15	Stem O-Ring	NBR	2
8	O-Ring	NBR	2	16	Handle	PP	1

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20X1/2"	20	14	125	65	48	75	10	82
25X3/4"	25	14	143	77	57	87	10	52
32X1"	32	11	161	85	65	98	10	36
40X1 1/4"	40	11	183	95	78	114	10	40
50X1 1/2"	50	11	225	118	94	137	10	26
63X2"	63	11	264	139	114	167	10	12

PP Female Threaded Double Union Ball Valve

COD.2045

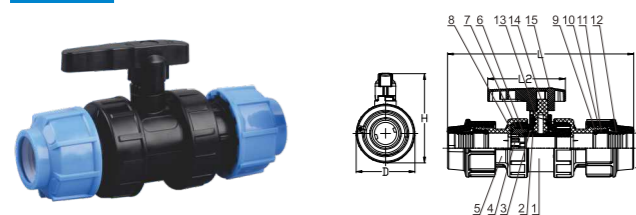


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	7	O-Ring	NBR	1
2	Ball	PP	1	8	O-Ring	NBR	2
3	Seat seal	TPE	2	9	O-Ring	NBR	1
4	Seat Carrier	PP	1	10	Stem	PVC	1
5	Union Nut	PP	2	11	Stem O-Ring	NBR	2
6	Female Adaptor	PP	2	12	Handle	PP	1

SIZE	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
1/2"X1/2"	14	88	65	48	75	10	110
3/4"X3/4"	14	104	77	57	87	10	75
1"X1"	11	116	85	65	98	10	48
1 1/4"X1 1/4"	11	130	95	78	114	10	50
1 1/2"X1 1/2"	11	156	118	94	137	10	40
2"X2"	11	183	139	112	166	10	18

PP Double Union Ball Valve(straight Insert)

COD.2043

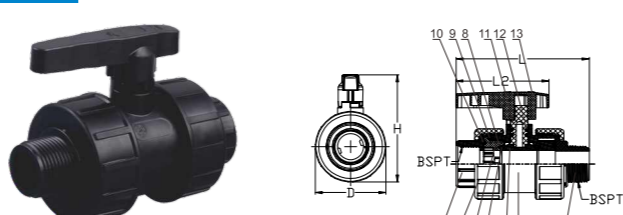


NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	9	O-Ring	NBR	2
2	Ball	PP	1	10	Nut	PP	2
3	Seat seal	TPE	2	11	Blocking bush	PP	2
4	Seat Carrier	PP	1	12	Clinching ring	POM	2
5	Union Nut	PP	2	13	Stem	PVC	1
6	O-Ring	NBR	1	14	Stem O-Ring	NBR	2
7	O-Ring	NBR	1	15	Handle	PP	1
8	O-Ring	NBR	2				

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20X20	20		160	65	48	75	10	52
25X25	25		178	77	57	87	10	36
32X32	32		205	85	65	98	10	30
40X40	40		237	95	78	114	10	40
50X50	50		289	118	94	137	10	26
63X63	63		338	139	114	167	10	12

PP Male And Female Threaded Double Union Ball Valve

COD.2046



NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	8	O-Ring	NBR	1
2	Ball	PP	1	9	O-Ring	NBR	2
3	Seat seal	TPE	2	10	O-Ring	NBR	1
4	Seat Carrier	PP	1	11	Stem	PVC	1
5	Union Nut	PP	2	12	Stem O-Ring	NBR	2
6	Female Adaptor	PP	1	13	Handle	PP	1
7	Male Adaptor	PP	1				

SIZE	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
1/2"X1/2"	14	92	65	48	75	10	110
3/4"X3/4"	14	108	77	57	87	10	75
1"X1"	11	122	85	65	98	10	48
1 1/4"X1 1/4"	11	136	95	78	114	10	50
1 1/2"X1 1/2"	11	163	118	94	137	10	40
2"X2"	11	184	139	112	166	10	18

PP Single union ball valve PN16 (Straight instsert)

FGD.2034



SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20x20	20		149	64	50	75	16	170
25x25	25		167	69	59	85	16	105
32x32	32		188	75	68	100	16	80
40x40	40		224	85	79	116	16	40
50x50	50		262	95	94	136	16	26
63x63	63		316	110	114	162	16	12

PP Single union ball valve PN16 (Female thread and ST)

FGD.2035



SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20x1/2"	20	14	103	64	50	75	16	220
25x3/4"	25	14	118	69	59	85	16	165
32x1"	32	11	132	75	68	100	16	105
40x1 1/4"	40	11	154	85	79	116	16	50
50x1 1/2"	50	11	176	95	94	136	16	40
63x2"	63	11	217	110	114	162	16	18

PP Single union ball valve PN16 (male thread and ST)

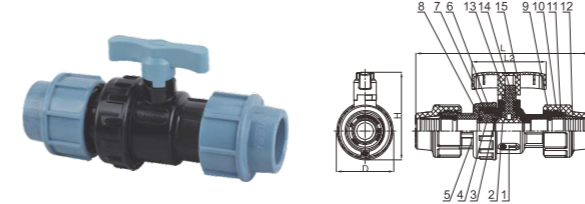
FGD.2036



SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20x1/2"	20	14	103	64	50	75	16	220
25x3/4"	25	14	118	69	59	85	16	165
32x1"	32	11	132	75	68	100	16	105
40x1 1/4"	40	11	154	85	79	116	16	50
50x1 1/2"	50	11	176	95	94	136	16	40
63x2"	63	11	217	110	114	162	16	18

PP Single union ball valve PN16 (Straight instsert)

COD.2027



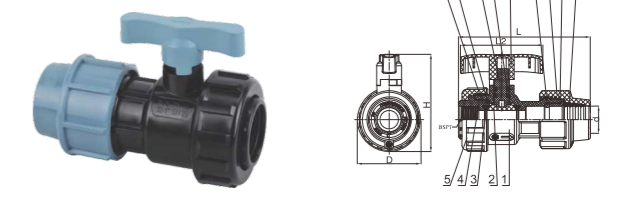
NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC	1	9	O-Ring	NBR	2
2	Seat Carrier	PVC	1	10	Nut	PP	2
3	Seat seal	TPE	2	11	Blocking bush	PP	2
4	Ball	PVC	1	12	Clinching ring	POM	2
5	Union Nut	PVC	1	13	Stem	PVC	1
6	O-Ring	NBR	1	14	Stem O-Ring	NBR	2
7	O-Ring	NBR	1	15	Handle	PVC	1
8	O-Ring	NBR	2				

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn	Weight/ctn(kg)
20x20	20		149	64	50	75	16	170	28.5
25x25	25		167	69	59	85	16	105	27.5
32x32	32		188	75	68	100	16	80	30.4
40x40	40		224	85	79	116	16	40	25.0
50x50	50		262	95	94	136	16	26	25.6
63x63	63		316	110	114	162	16	12	19.6

Carton size (mm): 490x390x380

PP Single union ball valve PN16 (Female thread and ST)

COD.2028



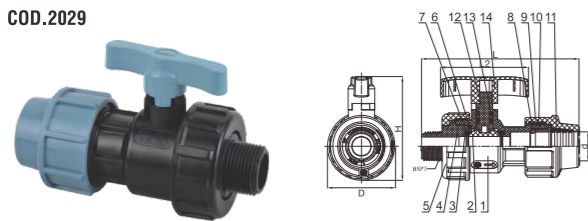
NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC	1	8	O-Ring	NBR	1
2	Female Adaptor	PVC	1	9	Nut	PP	1
3	Seat seal	TPE	2	10	Blocking bush	PP	1
4	Ball	PVC	1	11	Clinching ring	POM	1
5	Union Nut	PVC	1	12	Stem	PVC	1
6	O-Ring	NBR	1	13	Stem O-Ring	NBR	2
7	O-Ring	NBR	2	14	Handle	PVC	1

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn	Weight/ctn(kg)
20x1/2"	20	14	103	64	50	75	16	220	28.2
25x3/4"	25	14	118	69	59	85	16	165	32.8
32x1"	32	11	132	75	68	100	16	105	30.6
40x1 1/4"	40	11	154	85	79	116	16	50	23.1
50x1 1/2"	50	11	176	95	94	136	16	40	28.8
63x2"	63	11	217	110	114	162	16	18	21.4

Carton size (mm): 490x390x380

PP Single union ball valve PN16 (male thread and ST)

COD.2029



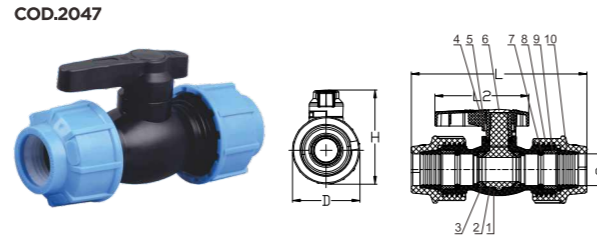
NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC	1	8	O-Ring	NBR	1
2	Male Adaptor	PVC	1	9	Nut	PP	1
3	Seat seal	TPE	2	10	Blocking bush	PP	1
4	Ball	PVC	1	11	Clinching ring	POM	1
5	Union Nut	PVC	1	12	Stem	PVC	1
6	O-Ring	NBR	1	13	Stem O-Ring	NBR	2
7	O-Ring	NBR	2	14	Handle	PVC	1

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn	Weight/ctn(kg)
20x1/2"	20	14	114	64	50	75	16	200	26.8
25x3/4"	25	14	131	69	59	85	16	145	30.2
32x1"	32	11	148	75	68	100	16	90	27.8
40x1 1/4"	40	11	171	85	79	116	16	50	24.3
50x1 1/2"	50	11	194	95	94	136	16	40	30.2
63x2"	63	11	236	110	114	162	16	18	22.5

Carton size (mm): 490x390x380

PP Plastic Ball Valve

COD.2047



NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PP	1	6	Cap	PP	1
2	Valve Core	PP	1	7	O-Ring	NBR	2
3	Seat seal	TPV	2	8	Nut	PP	2
4	O-Ring	NBR	1	9	Blocking bush	PP	2
5	Handle	PP	1	10	Clinching ring	POM	2

SIZE	d	BSPT Thd./in	L	L2	D	H	PN	Qty/ctn
20X20	20		126	65	45	68	10	82
25X25	25		143	77	55	77	10	68
32X32	32		165	87	64	87	10	52
40X40	40		186	148	78	125	10	35
50X50	50		240	148	94	132	10	25
63X63	63		280	148	113	157	10	15
75X75	75		328	172	133	185	10	9
90X90	90		385	197	155	213	10	5
110X110	110		461	227	188	252	10	4



PP-R PIPE&FITTING SERIES(ISO 15874)

INTRODUCTION

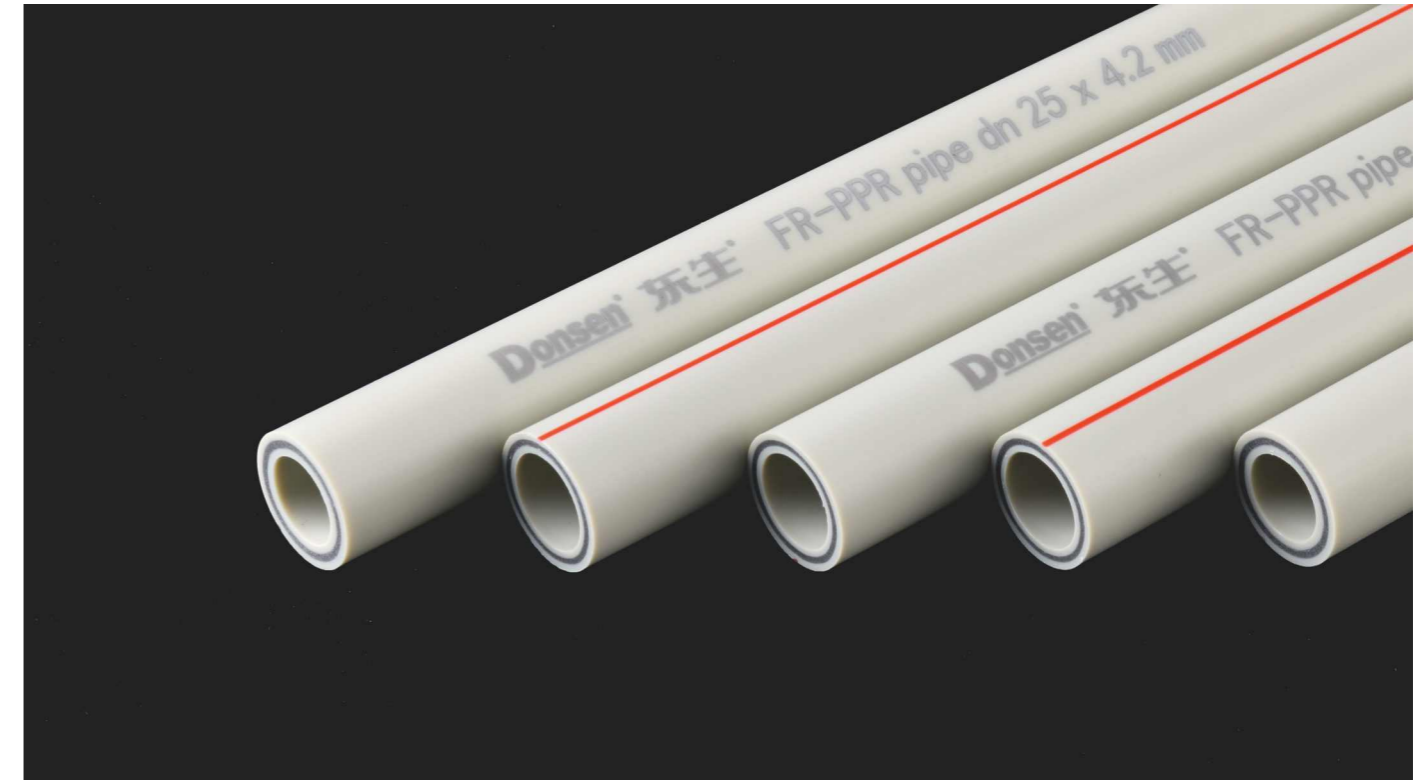
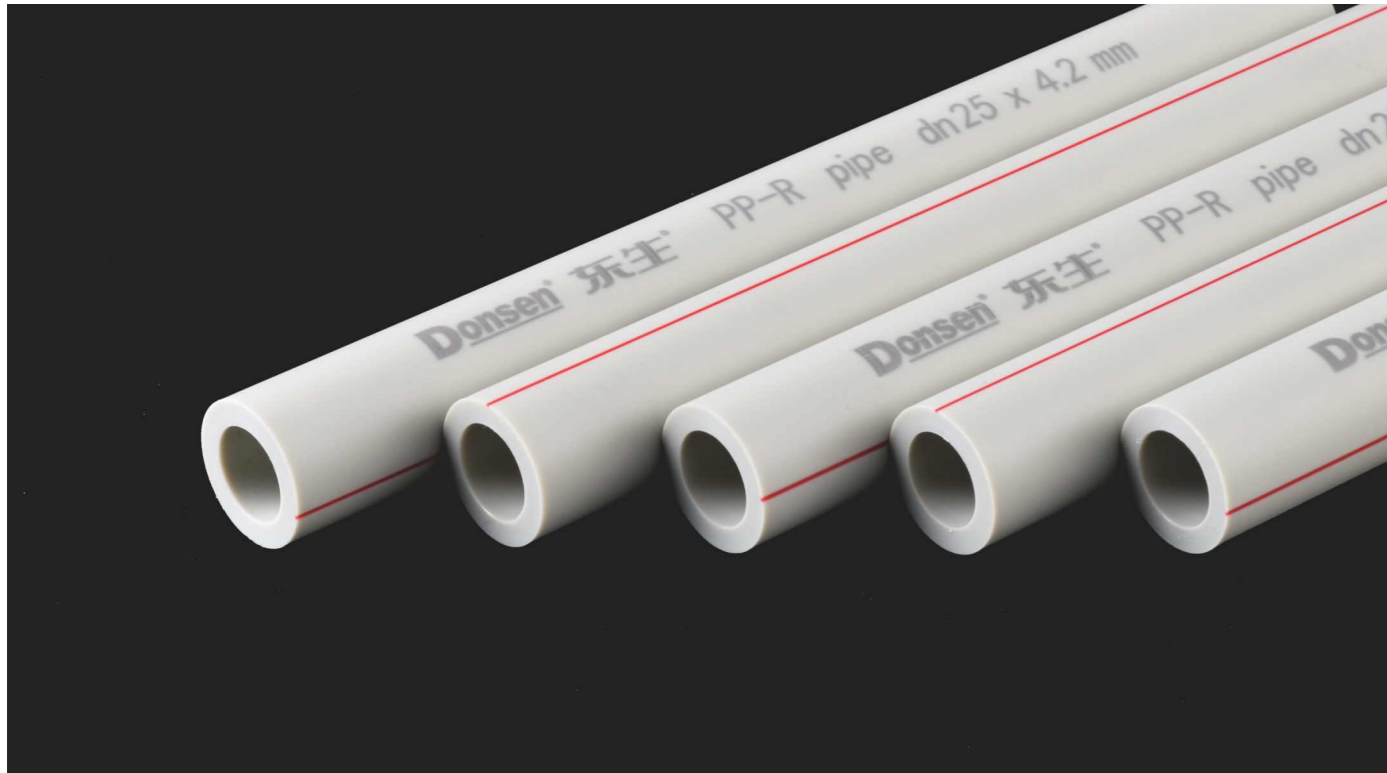
PP-R pipes and fittings were made of high quality imported raw materials, and the performance of the products reach or exceed the standard in DIN8077/8088, After three inspections of raw materials, process finished products, the quality can be assured.

FEATURES OF PRODUCT

- Green,environmental protection,sanitation non-toxic,health indicators in line with national drinking water requirements.
- Good stability,resistance to high temperature and pressure.
- Excellent anti-aging properties, service life over 50 years under the national standards GB/T18742.
- A hot melt homogeneity connect to eliminate hidden dangers of leakage.

FIELDS OF APPLICATION

Portable water supply in residential buildings,hospitals,hotels,shipbuilding etc.  
 Pipe networks for rainwater utilization systems,swimming pool facilities,agriculture and horticulture,industry,i.e.transport of aggressive fluids (acids, etc).  
 Heating pipe for residential building.



## PP-R PIPE

### SDR11/S5/PN10

Code	Specification/(mm)	Wall Thickness	Meter/pack(m)
DSA001	20mm	2.0	160
DSA002	25mm	2.3	108
DSA003	32mm	2.9	60
DSA004	40mm	3.7	40
DSA005	50mm	4.6	28
DSA006	63mm	5.8	20
DSA007	75mm	6.8	12
DSA008	90mm	8.2	8
DSA009	110mm	10.0	4
DSA010	160mm	14.6	4
DSA011	125mm	11.4	4
DSA012	140mm	12.7	4
DSA013	200mm	18.2	4

### SDR9/S4/PN12.5

Code	Specification/(mm)	Wall Thickness	Meter/pack(m)
DSA101	20mm	2.3	160
DSA102	25mm	2.8	108
DSA103	32mm	3.6	60
DSA104	40mm	4.5	40
DSA105	50mm	5.6	28
DSA106	63mm	7.1	20
DSA107	75mm	8.4	12
DSA108	90mm	10.1	8
DSA109	110mm	12.3	4
DSA110	160mm	17.9	4
DSA111	125mm	14.0	4
DSA112	140mm	15.7	4
DSA113	200mm	22.4	4

### SDR7.4/S3.2/PN16

Code	Specification/(mm)	Wall Thickness	Meter/pack(m)
DSA201	20mm	2.8	160
DSA202	25mm	3.5	108
DSA203	32mm	4.4	60
DSA204	40mm	5.5	40
DSA205	50mm	6.9	28
DSA206	63mm	8.6	20
DSA207	75mm	10.3	12
DSA208	90mm	12.3	8
DSA209	110mm	15.1	4
DSA210	125mm	17.9	4
DSA211	140mm	19.2	4
DSA212	160mm	21.9	4
DSA213	200mm	27.4	4

### SDR6/S2.5/PN20

Code	Specification/(mm)	Wall Thickness	Meter/pack(m)
DSA301	20mm	3.4	160
DSA302	25mm	4.2	108
DSA303	32mm	5.4	60
DSA304	40mm	6.7	40
DSA305	50mm	8.3	28
DSA306	63mm	10.5	20
DSA307	75mm	12.5	12
DSA308	90mm	15.0	8
DSA309	110mm	18.3	4
DSA310	125mm	20.8	4
DSA311	140mm	23.3	4
DSA312	160mm	26.6	4

Color : Grey/White/Green Safety Coefficient : C:1.5

Germany Standard : DIN8077/8078 Supply form : 4m Straight lengths

## FR-PPR Fibreglass high-powered composite pipe

### Description

Donsen FR-PPR Fibreglass high-powered composite pipe consists of three layers, the middle layer adopts imported fibreglass strengthen material; the inner and the outer adopt imported raw materials.

### Features

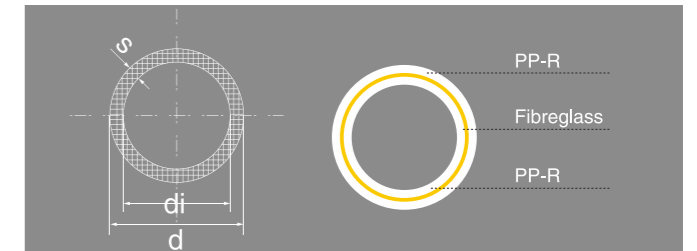
- FR-PPR pipe has higher strength, higher tenacity and lower linear expansion coefficient.
- Non-deformation pipeline, more attractive appearance.
- Resist high temperature, leak explosion-proof pipe.

### Advantages

- 1/3 lower coefficient of thermal expansion than common PPR pipe
- Thin, light, 20% flow capacity addition
- More compression resistance, longer service life
- Outdoor installation, widely applied fields
- Completely use imported raw materials, ensure product quality

### Applications

- Distribution for cool and hot water.
- Pipes for kinds of high-temperature and low-temperature heating system.
- Pipes for heating and colling setting in solar energy system.
- Connecting pipe for air-conditions.



### Specifications

#### PIPE SERIES SDR7.4/S3.2/PN20

Code	Outer Diameter	Wall Thickness	Inner diameter	Meter/pack(m)
DSA711	20mm	2.8	14.4	160
DSA712	25mm	3.5	18.0	108
DSA713	32mm	4.4	23.2	60
DSA714	40mm	5.5	29.0	40
DSA715	50mm	6.9	35.2	28
DSA716	63mm	8.6	45.6	20

#### PIPE SERIES SDR6/S2.5/PN25

Code	Outer Diameter	Wall Thickness	Inner diameter	Meter/pack(m)
DSA721	20mm	3.4	13.2	160
DSA722	25mm	4.2	16.6	108
DSA723	32mm	5.4	21.2	60
DSA724	40mm	6.7	26.6	40
DSA725	50mm	8.3	33.4	28
DSA726	63mm	10.5	42.0	20



## PPR-AL-PPR equal-thickness wall composite pipe

### Description

Donsen PPR-AL-PPR aluminum plastic composite pipe is consisted of five layers. The middle layer is thin aluminum, outer layer is PP-R, inner layer is PP-R. There is imported heat glue which is extruded by high temperature and high pressure.

### Features

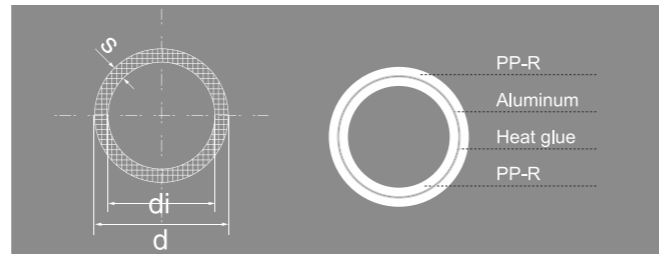
- Five-storey structure combines the rigid metal pipe and health and sealing plastic pipe perfectly.
- The middle layer of aluminum isolates the external air, infiltrating the external oxygen barrier pipe, inhibiting the bacterial survival in the breeding pipeline. It is used to ensure the health of the water in the pipe and to prevent secondary pollution invisible.
- The expansion properties of PPR-AL-PPR pipe is close to metallic materials, and has no apparent "expansion in hot and reduction in cold" when install and apply to use, the outside is more straight and attractive.

### Advantages

- Greatly reduced linear expansion coefficient, only 1/4 of that of PP-R.
- 100% oxygen tightness, suitable for heating system.
- Improved resistant to impulse under low temperature, resistant to UV-rays.
- Easily detected by detector when embedded, owing to the metal layer.

### Applications

- Distribution for cool and hot water.
- Pipes for kinds of high-temperature and low-temperature heating system.
- Pipes for heating and colling settings in solar energy system.
- Connecting pipe for air-conditions.



Specifications		SDR6/PN25	
Code	Specification/(mm)	Wall Thickness	Meter/pack(m)
DSA421	Dn20	3.4 mm	160
DSA422	Dn25	4.2 mm	108
DSA423	Dn32	5.4 mm	60
DSA424	Dn40	6.7 mm	40
DSA425	Dn50	8.3 mm	28
DSA426	DN63	10.5 mm	20

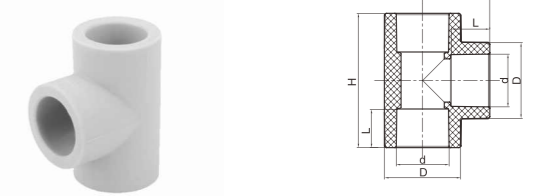
### ● Coupling



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	L	H	Qty/ctn	Weight/ctn(kg)
20	DSB001	28.4	19.2	16	34.5	1200	12.6
25	DSB002	34.5	24.1	18	38.9	660	12.1
32	DSB003	43.1	31.0	20	43.2	360	11.0
40	DSB004	55.0	38.9	22	47.2	240	11.4
50	DSB005	67.0	48.9	25.2	53.9	144	12.3
63	DSB006	84.0	61.8	29.3	62.8	72	11.1
75	DSB007	98.8	73.5	33	70.6	56	13.0
90	DSB008	118.8	88.3	36	77	27	10.4
110	DSB009	145.0	108.0	42	89.4	18	11.8
160	DSB010					8	8.6

### ● Equal Tee



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	L	H	Qty/ctn	Weight/ctn(kg)
20	DSB001	28.4	19.2	16	34.5	1200	12.6
25	DSB002	34.5	24.1	18	38.9	660	12.1
32	DSB003	43.1	31.0	20	43.2	360	11.0
40	DSB004	55.0	38.9	22	47.2	240	11.4
50	DSB005	67.0	48.9	25.2	53.9	144	12.3
63	DSB006	84.0	61.8	29.3	62.8	72	11.1
75	DSB007	98.8	73.5	33	70.6	56	13.0
90	DSB008	118.8	88.3	36	77	27	10.4
110	DSB009	145.0	108.0	42	89.4	18	11.8
160	DSB010					8	8.6

### ● Elbow 90°



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	L	B	Qty/ctn	Weight/ctn(kg)
20	DSE001	28.4	19.2	16	26.5	720	13.02
25	DSE002	34.5	24.1	18	31.05	420	12.53
32	DSE003	43.1	31.0	20	36.5	240	12.27
40	DSE004	55.0	38.9	22	42.55	120	11.89
50	DSE005	67.0	48.9	25.2	50.6	72	11.68
63	DSE006	84.0	61.8	29.3	60.8	48	13.93
75	DSE007	98.8	73.5	33	71.3	24	11.60
90	DSE008	118.8	88.3	36	81.75	12	9.78
110	DSE009	145.0	108.0	42	91.7	6	8.61
160	DSE010					4	10.24

### ● Pipe Caps



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	L	H	Qty/ctn	Weight/ctn(kg)
20	DSD001	28.4	19.2	16	24	1920	13.79
25	DSD002	34.5	24.1	17	27	1200	14.49
32	DSD003	43.1	31.0	19	31	660	13.12
40	DSD004	55.0	38.9	21	35	420	10.65
50	DSD005	67.0	48.9	24	36.5	240	11.38
63	DSD006	84.0	61.8	27	46	144	13.12
75	DSD007	98.8	73.5	33	52	80	16.19
90	DSD008	118.8	88.3	36	58	48	15.53
110	DSD009	145.0	108.0	42	67	24	15.07
160	DSD010					12	14.73

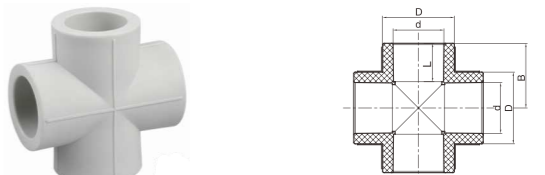
### ● Reducing Elbow



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	L	D1	d1	L1	Qty/ctn	Weight/ctn(kg)
25x20	DSE601	34.5	24.1	17.5	28.4	19.2	16	600	14.42
32x20	DSE602	43.1	31	20	28.4	19.2	16	360	13.50
32x25	DSE603	43.1	31	20	34.5	24.1	18	288	12.19

### ● Cross



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	L	B	Qty/ctn	Weight/ctn(kg)
20	DSF001	28.4	19.2	16	26.7	420	10.71
25	DSF002	34.5	24.1	18	30.75	240	10.06
32	DSF003	43.1	31.0	20	36.85	120	8.63
40	DSF004	55.0	38.9	22	42.55	72	9.05



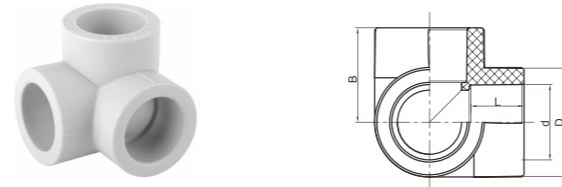
● All Plastic Weld In Saddle



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	d1	L	Qty/ctn	Weight/ctn(kg)
63x32	DSB951	43.4	31.2	32.3	20.4	360	12.41
75x32	DSB952	43.4	31.2	32.3	20.4	360	13.41
90x32	DSB953	43.4	31.2	32.3	20.4	360	17.34

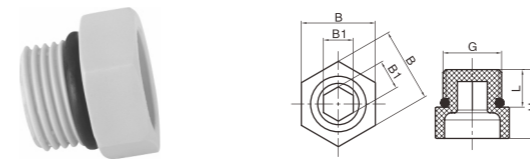
● Three-way Elbow



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	L	B	Qty/ctn	Weight/ctn(kg)
20	DSC901	28.4	19.2	15.5	26	540	12.12
25	DSC902	34.5	24.1	17.5	30	300	11.17
32	DSC903	43.6	31	19.5	35.5	180	11.64

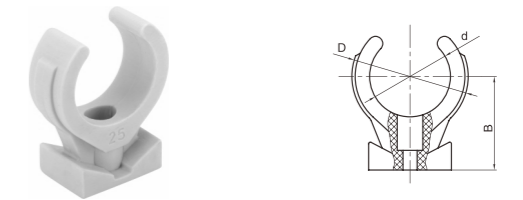
● Plug-short



Carton size(mm):515x400x220

Size	ITEM.No.	B	B1	H	L	G	Qty/ctn	Weight/ctn(kg)
1/2"	DSD901	26	10.5	24	13	1/2"	2040	11.54

● Plastic Clip



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	B	Qty/ctn	Weight/ctn(kg)
20	DSG901	30	19.7	24.6	2040	10.73
25	DSG902	35.4	24.6	28.5	1440	11.07
32	DSG903	40.8	31.5	34	960	11.89

● Redution External/internal



Carton size(mm):515x400x220

Size	ITEM.No.	D	D1	d	L	L1	H	Qty/ctn	Weight/ctn(kg)
25x20	DSB901	29	25.2	16.2	15	15	34.5	1200	13.92
32x20	DSB902	32.3	29.2	19.2	17	17	39	720	12.03
32x25	DSB903	36.1	32.3	21.5	17.5	17	40	660	13.44
40x20	DSB904	40.2	28.9	19.2	19.5	15	46	480	12.64
40x25	DSB905	40.2	35.7	24.1	19.5	17	45	360	10.61
40x32	DSB906	40.2	32.3	31	20	19	47.5	300	11.31
50x32	DSB907	50.2	45	31	22.2	20	55.1	240	13.22
50x40	DSB908	54	50.2	34.6	22	21	51	240	13.08
63x32	DSB909	63.2	46	31	27	19	62.5	144	11.68
63x40	DSB910	63.2	55.1	38.9	26.5	21	58.5	144	12.49
63x50	DSB911	69.3	63.3	44.7	27	24	59	132	13.38

● Elbow 45° internal/external



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	d1	L	B	Qty/ctn	Weight/ctn(kg)
20	DSE901	28.4	19.2	20.2	16	14	960	13.54
25	DSE902	34.5	24.1	25.2	18	15.5	612	13.84

● Blinding Internal



Carton size(mm):515x400x220

Size	ITEM.No.	D	L	H	Qty/ctn	Weight/ctn(kg)
20	DSD921	20.2	14.4	23.8	3000	12.84

● Plastic Clip



Carton size(mm):515x400x220

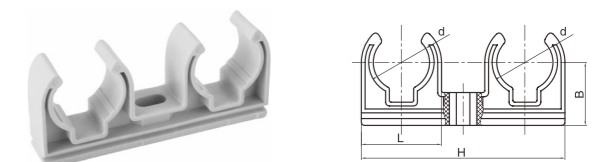
Size	ITEM.No.	d	B	L	Qty/ctn	Weight/ctn(kg)
20	DSG911	22.9	25	30.4	1560	10.67
25	DSG912	27.8	27.5	35	1200	9.18
32	DSG913	35.3	31	42	960	9.66
40	DSG914	42.4	35	55.4	400	5.88
50	DSG915	53.5	40.5	72.4	256	10.17
63	DSG916	66.4	47	88.6	200	10.08

● Assembling Plate For Elbow 90° For Wall Mounting



Size	ITEM.No.	A	B	C	D	E	F	Qty/ctn	Weight/ctn(kg)
-	DSH911	218	63.2	108.9	133.4	39.5	44.5	370	17.48

● Plastic Double Clip



Size	ITEM.No.	d	B	L	H	Qty/ctn	Weight/ctn(kg)
20	DSG921	23.1	25	29.3	70.6	600	9.44
25	DSG922	27.9	27.5	38.5	89	400	8.44

● Elbow 90° internal/external



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	d1	L	B	Qty/ctn	Weight/ctn(kg)
20	DSE911	28.4	19.2	20.2	16	14	720	13.02
25	DSE912	34.5	24.1	25.2	18	16	420	13.18
32	DSE913	43.8	31	32.3	20	17	240	14.11

● All-plastic Reducer Male Thread "dg"



Carton size(mm):515x400x220

Size	ITEM.No.	D	d	G	L	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSD911	28.6	19.2	1/2"	15.4	38	720	11.22
20x3/4"	DSD912	28.6	19.2	3/4"	16.5	38.5	500	9.12
25x3/4"	DSD913	34.7	24.1	3/4"	17.2	40.3	480	12.66
32x1	DSD914	43.9	31	1"	19.1	49.5	240	11.46

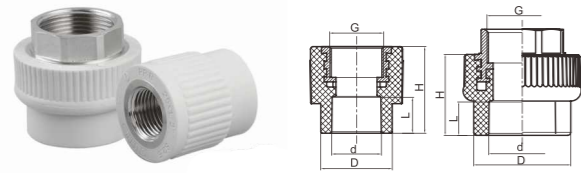
● Metal Pipe Clamp



Carton size(mm):515x400x220

Size	ITEM.No.	Qty/ctn	Size	ITEM.No.	Qty/ctn
20	DSG301	350	63	DSG306	175
25	DSG302	350	75	DSG307	
32	DSG303	250	90	DSG308	90
40	DSG304	250	110	DSG309	80
50	DSG305	200	160	DSG310	

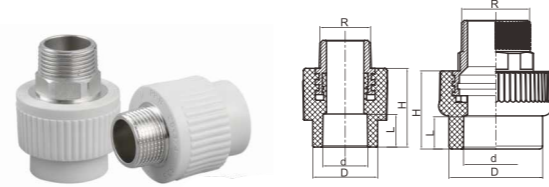
Female Threaded Coupling



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	KB201	28.4	19.2	15.5	1/2"	40.5	252	16.31
20x3/4"	KB202	28.4	19.2	15.5	3/4"	40.5	228	19.24
25x1/2"	KB203	34.5	24.1	17.5	1/2"	42.5	252	16.83
25x3/4"	KB204	34.5	24.1	17.5	3/4"	42.5	210	18.18
32x1/2"	KB205	43.1	31	19	1/2"	45.5	180	14.58
32x3/4"	KB206	43.1	31	19	3/4"	46	180	18.29
32x1"	KB207	43.1	31	19.5	1"	47	96	17.7
40x11/4"	KB208	55	38.9	20	11/4"	47	54	15.14
50x11/2"	KB209	67	48.9	23	11/2"	52	42	14.78
63x2"	KB210	84	61.8	27	2"	59	24	14.75

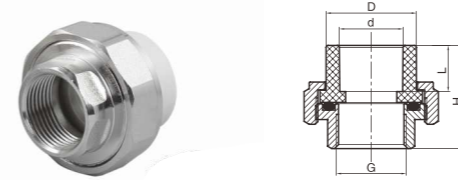
Male Threaded Coupling



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	KB301	28.4	19.2	15.5	1/2"	40.5	240	17.06
20x3/4"	KB302	28.4	19.2	15.5	3/4"	40.5	180	16.61
25x1/2"	KB303	34.5	24.1	17.5	1/2"	42.5	228	16.89
25x3/4"	KB304	34.5	24.1	17.5	3/4"	42.5	162	15.31
32x1/2"	KB305	43.1	31	19	1/2"	45.5	180	16.68
32x3/4"	KB306	43.1	31	19	3/4"	46	162	16.49
32x1"	KB307	43.1	31	19.5	1"	47	90	20.25
40x11/4"	KB308	55	38.9	20	11/4"	47	54	17.94
50x11/2"	KB309	67	48.9	23	11/2"	52	42	17.19
63x2"	KB310	84	61.8	27	2"	59	24	18.95

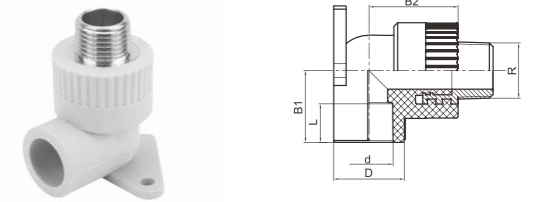
Female Threaded Union



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	H	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSI001	28.4	19.2	16	36.5	1/2"	360	36.17
25x3/4"	DSI002	34.5	24.1	17.5	39	3/4"	240	33.94
32x1"	DSI003	43.1	31	19.5	45	1"	126	29.01
40x11/4"	DSI004	52	38.9	22	52	11/4"	80	29.53
50x11/2"	DSI005	67	48.9	26	63	11/2"	48	30.74
63x2"	DSI006	84	61.8	30	69.5	2"	20	21.07

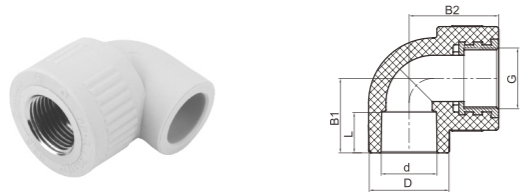
Male Threaded Elbow With Disk



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	KE501	28.4	19.2	16	1/2"	29	35.5	138	11.50
25x1/2"	KE502	34.5	24.1	18	1/2"	31	38.5	120	10.68
25x3/4"	KE503	34.5	24.1	18	3/4"	32.5	38	102	12.44

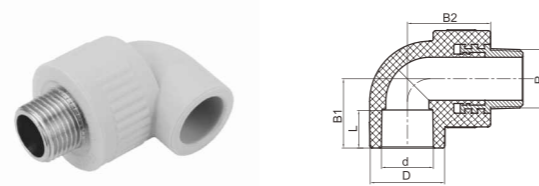
Female Threaded Elbow



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	KE201	28.4	19.2	16	1/2"	27.5	36	240	17.22
25x1/2"	KE202	34.5	24.1	18	1/2"	28	37.5	180	14.47
25x3/4"	KE203	34.5	24.1	18	3/4"	32	38.5	150	15.28
32x1/2"	KE204	43.1	31	20	1/2"	32	42	120	11.21
32x3/4"	KE205	43.1	31	20	3/4"	33.5	40.5	102	12.03
32x1"	KE206	43.1	31	20	1"	39	45	72	16.49

Male Threaded Elbow



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	KE401	28.4	19.2	16	1/2"	27.5	36	210	16.59
25x1/2"	KE402	34.5	24.1	18	1/2"	28	37.5	150	13.00
25x3/4"	KE403	34.5	24.1	18	3/4"	32	38.5	132	14.46
32x1/2"	KE404	43.1	31	20	1/2"	32	42	108	12.36
32x3/4"	KE405	43.1	31	20	3/4"	33.5	40.5	90	11.41
32x1"	KE406	43.1	31	20	1"	39	45	66	19.85

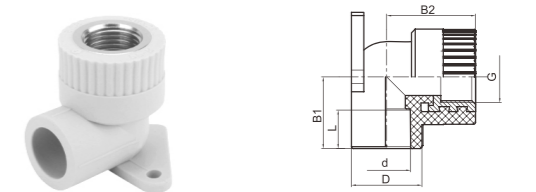
Male Threaded Union



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	H	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSI201	28.4	19.2	16	47.5	1/2"	270	29.08
25x3/4"	DSI202	34.5	24.1	17.5	51	3/4"	180	26.89
32x1"	DSI203	43.1	31	19.5	59.5	1"	108	25.84
40x11/4"	DSI204	52	38.9	22	70.5	11/4"	72	28.63
50x11/2"	DSI205	67	48.9	26	84.5	11/2"	48	33.15
63x2"	DSI206	84	61.8	30	92	2"	20	22.29
25x1"	DSI207	34.5	24.1	17.5	55	1"	150	25.00

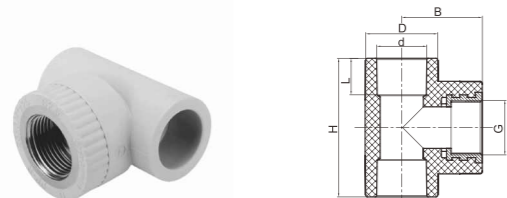
Female Threaded Elbow With Disk



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	KE301	28.4	19.2	16	1/2"	29	35.5	162	12.21
25x1/2"	KE302	34.5	24.1	18	1/2"	31	38.5	150	12.68
25x3/4"	KE303	34.5	24.1	18	3/4"	32.5	38	120	13.75

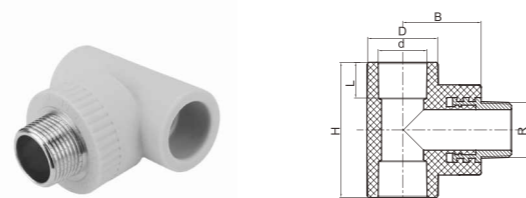
Female Threaded Tee



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	H	B	Qty/ctn	Weight/ctn(kg)
20x1/2"	KC201	28.4	19.2	16	1/2"	59.5	35	180	14.35
25x1/2"	KC202	34.5	24.1	18	1/2"	60	38	144	12.47
25x3/4"	KC203	34.5	24.1	18	3/4"	67	39	120	13.52
32x1/2"	KC204	43.1	31	20	1/2"	62	41.5	108	10.56
32x3/4"	KC205	43.1	31	20	3/4"	68	41.5	84	10.79
32x1"	KC206	43.1	31	20	1"	81	45.5	60	14.92

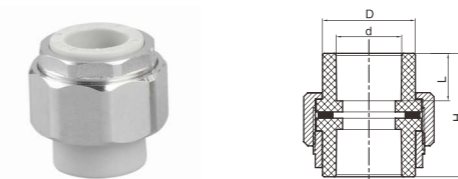
Male Threaded Tee



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	H	B	Qty/ctn	Weight/ctn(kg)
20x1/2"	KC301	28.4	19.2	16	1/2"	59.5	35	162	13.84
25x1/2"	KC302	34.5	24.1	18	1/2"	60	38	120	11.40
25x3/4"	KC303	34.5	24.1	18	3/4"	67	39	108	12.63
32x1/2"	KC304	43.1	31	20	1/2"	62	41.5	102	11.10
32x3/4"	KC305	43.1	31	20	3/4"	68	41.5	78	10.67
32x1"	KC306	43.1	31	20	1"	81	45.5	60	16.46

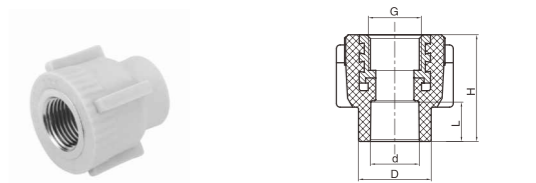
Socket Brass Union



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	H	Qty/ctn	Weight/ctn(kg)
20	DSI701	28.4	19.2	16	41	270	30.96
25	DSI702	34.5	24.1	17.5	44	180	24.32
32	DSI703	43.1	31	19.5	52	108	22.95
40	DSI704	52	38.9	22	60	72	25.00
50	DSI705	67	48.9	26	79	40	23.93
63	DSI706	84	61.8	30	87	20	19.21

Reducing sleeve with metal female thread "dGK" with cross

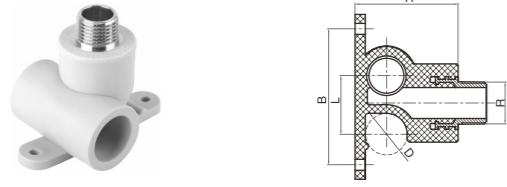


Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	H	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSB981	28.7	19.2	16	42	1/2"	240	13.90



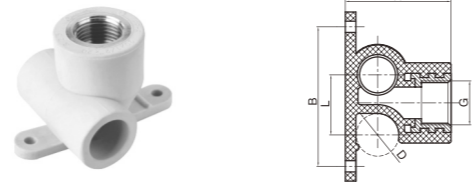
● Tee With Tap Connector Male



Carton size(mm):390x255x250

Size	ITEM.No.	D	R	L	B	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC961	20.3	1/2"	28.5	66.1	50	126	9.92
25x1/2"	DSC962	25.3	1/2"	33.5	75.6	56	96	9.01

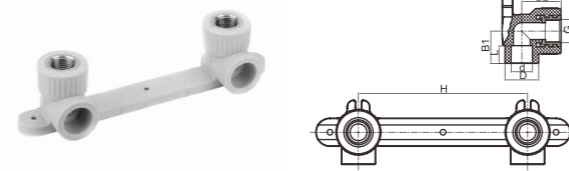
● Tee With Tap Connector Female



Carton size(mm):390x255x250

Size	ITEM.No.	D	G	L	B	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC951	20.3	1/2"	28.5	66.1	50	138	10.50
25x1/2"	DSC952	25.3	1/2"	33.5	75.6	56	108	9.59

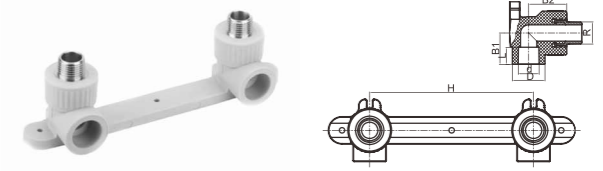
● Double Female Elbow With Tap Connector



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	B1	B2	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE993	28.4	19.2	16.3	1/2"	28.5	35	150.5	50	9.32
25x1/2"	DSE994	34.5	24.1	18.3	1/2"	31	36.5	150.5	45	9.25

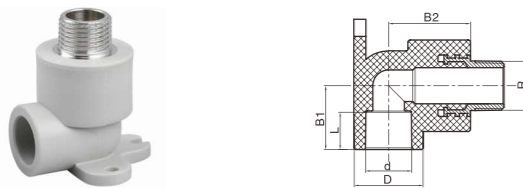
● Double Male Elbow With Tap Connector



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	B1	B2	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE995	28.4	19.2	16.3	1/2"	28.5	35	150.5	40	7.93
25x1/2"	DSE996	34.5	24.1	18.3	1/2"	31	36.5	150.5	35	7.59

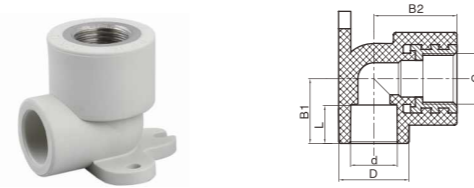
● Elbow 90° For Wall Mounting Male



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE955	28.4	19.2	16	1/2"	26.5	34	132	9.63
25x1/2"	DSE956	34.5	24.1	18	1/2"	29	37	102	10.34
25x3/4"	DSE957	34.5	24.1	18	3/4"	30.7	38	102	10.34

● Elbow 90° For Wall Mounting Female



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE951	28.4	19.2	16	1/2"	26.5	34	150	10.46
25x1/2"	DSE952	34.5	24.1	18	1/2"	29	37	120	11.57
25x3/4"	DSE953	34.5	24.1	18	3/4"	30.7	38	120	11.57

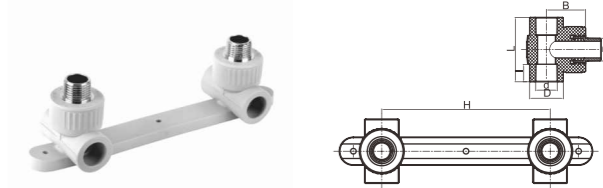
● Double Female Tee With Tap Connector



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	B	G	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC601	30	19.2	16	52.5	35.3	1/2" 145.3	40	5.67
25x1/2"	DSC602	35.5	24.1	18	61.3	37.3	1/2" 145.3	32	6.03

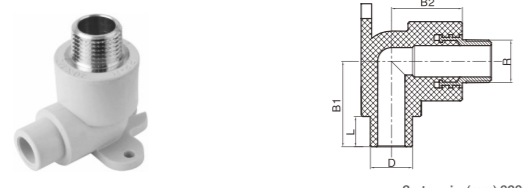
● Double Male Tee With Tap Connector



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	B	R	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC611	30	19.2	16	52.5	35.3	1/2" 145.3	32	4.40
25x1/2"	DSC612	35.5	24.1	18	61.3	37.3	1/2" 145.3	32	4.65

● Elbow 90° for wall mounting external/internal male



Carton size(mm):390x255x250

Size	ITEM.No.	D	R	L	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE945	20.2	1/2"	14.4	40.9	34	120	8.93
25x1/2"	DSE946	25.2	1/2"	16.5	45.5	37	84	9.13
25x3/4"	DSE947	25.2	3/4"	16.5	47.2	38	84	9.13

● Elbow 90° for wall mounting external/internal female



Carton size(mm):390x255x250

Size	ITEM.No.	D	G	L	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE941	20.2	1/2"	14.4	40.9	34	138	10.04
25x1/2"	DSE942	25.2	1/2"	16.5	45.5	37	102	10.77
25x3/4"	DSE943	25.2	3/4"	16.5	47.2	38	102	10.77

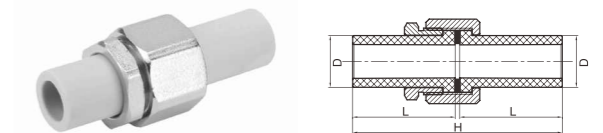
● Long Male Threaded Union



Carton size(mm):390x255x250

Size	ITEM.No.	D	L	R	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC601	20	40.2	1/2"	76.7	270	35.80
25x3/4"	DSC602	25	40.1	3/4"	79.5	180	36.19
32x1"	DSC603	32	44.8	1"	89.5	108	35.20

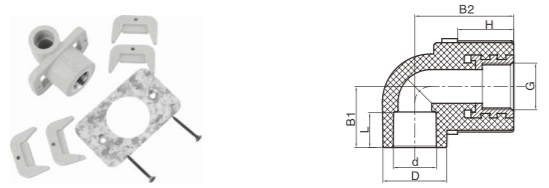
● Threaded Union



Carton size(mm):390x255x250

Size	ITEM.No.	D	L	H	Qty/ctn	Weight/ctn(kg)
20	DSI401	20	40.2	85	240	22.16
25	DSI402	25	40.1	81.5	180	25.81
32	DSI403	32	44.8	91	108	22.89

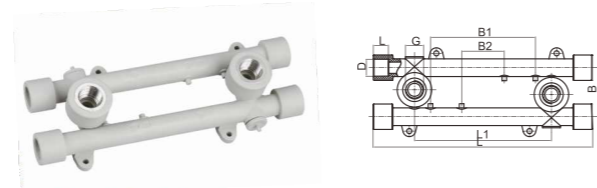
● Elbow 90° For Gypsumwall Mounting



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	H	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSH901	28.4	19.2	16	1/2"	25	28.2	42.8	80	9.86

● Wall Mounting Group With Tap Connectors



Carton size(mm):390x255x250

Size	ITEM.No.	D	L	G	B	L1	L	B1	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC501	19.2	16	1/2"	55	155	248	120	22	5.40
25x1/2"	DSC502	24.1	18	1/2"	60	155	248	120	20	6.13

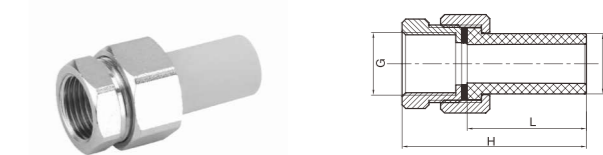
● Threaded Union With Coupling



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSI301	28.4	19.2	15.5	1/2"	51.5	300	18.46
25x3/4"	DSI302	34.5	24.1	17	3/4"	55.5	210	19.16
32x1"	DSI303	43.1	31	19	1"	60	132	20.85

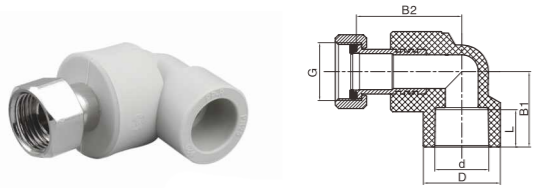
● Long Female Threaded Union



Carton size(mm):390x255x250

Size	ITEM.No.	D	L	G	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSI501	20	40.2	1/2"	76.7	360	31.52
25x3/4"	DSI502	25	40.1	3/4"	79.5	210	29.37
32x1"	DSI503	32	44.8	1"	89.5	120	26.92

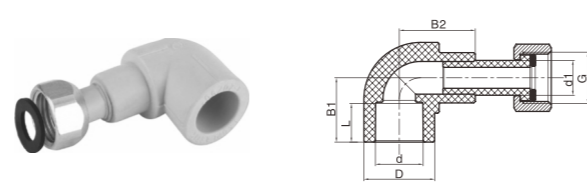
● Threaded Union With Elbow



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE701	28.4	19.2	15.5	1/2"	31.5	46.5	210	15.69
25x3/4"	DSE702	34.5	24.1	17.5	3/4"	33.5	47	180	17.57
32x1"	DSE703	43.8	31	19	1"	37.5	52	108	18.73

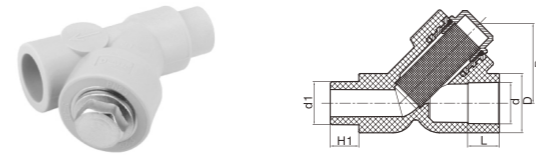
● Elbow 90° - Plastic Threaded Union



Carton size(mm):390x255x250

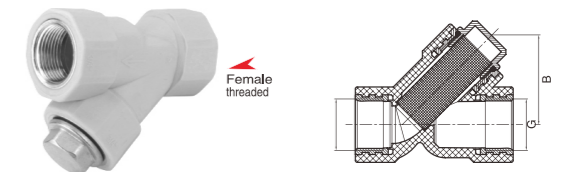
Size	ITEM.No.	D	d	d1	L	B1	B2	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE801	28.4	19.2	19.2	16.3	25.8	30.3	1/2"	240	11.65
20x3/4"	DSE802	28.4	19.2	19.2	18.4	25.8	30.3	3/4"	210	18.88
25x1"	DSE803	34.5	31	24.1	20.4	30	35.5	1"	150	18.59

● PP-RC Filter A Type



Size	ITEM.No.	D	d	L	H1	d1	B	Qty/ctn	Weight/ctn(kg)
20	DSC401	28.4	19.2	16	15.3	20.2	41.5	150	13.56
25	DSC402	34.5	24.1	18	16.8	25.2	47.5	90	12.36
32	DSC403	43.8	31	20	18.8	32.3	57	48	12.02
40	DSC404	55	38.9	22	20	40.2	67.6	28	11.06

● PP-R Double Female Threaded filter



Carton size(mm):390x255x250

Size	ITEM.No.	G	B	Qty/ctn	Weight/ctn(kg)
1/2"	DSC410	1/2"	41.5	150	19.45
3/4"	DSC411	3/4"	47.5	90	17.30
1"	DSC412	1"	57	48	16.89

● Coupling-plastic Threaded Union



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	d1	L	H	G	Qty/ctn	Weight/ctn(kg)
20x3/4"	DSB821	28.4	19.2	19.2	16	34.5	3/4"	240	20.00
25x3/4"	DSB822	34.5	24.1	24.1	18	38.9	3/4"	210	18.42
25x1"	DSB823	34.5	24.1	24.1	18	38.9	1"	180	20.20
32x3/4"	DSB824	43.1	31	31	20	43.2	3/4"	180	17.12
32x1"	DSB825	43.1	31	31	20	43.2	1"	144	17.15

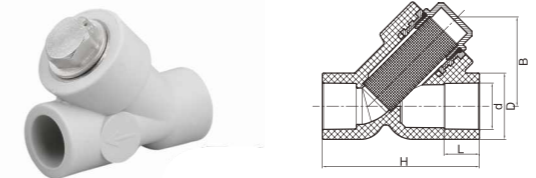
● Tee-plastic threaded union



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	d1	L	H	B	G	Qty/ctn	Weight/ctn(kg)
20x3/4"	DSC971	28.4	19.2	19.2	16	52.8	26.4	3/4"	180	17.2
25x3/4"	DSC972	34.5	24.1	24.1	18	61.8	30.9	3/4"	156	15.83
25x1"	DSC973	34.5	24.1	24.1	18	61.8	30.9	1"	120	15.89
32x3/4"	DSC974	43.1	31	31	20	72.6	36.3	3/4"	108	13.59
32x1"	DSC975	43.1	31	31	20	72.6	36.3	1"	72	11.10

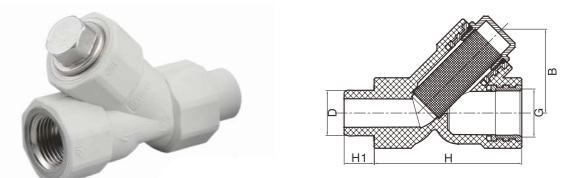
● PP-RC Filter B Type



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	H	B	Qty/ctn	Weight/ctn(kg)
20	DSC431	28.4	19.2	16	70.5	41.5	150	13.10
25	DSC432	34.5	24.1	18	82	47.5	90	12.02
32	DSC433	43.8	31	20	99	57	48	11.53
40	DSC434	55	38.9	22	112	67.6	30	11.13

● PP-R Single Female Threaded Filter



Carton size(mm):390x255x250

Size	ITEM.No.	D	H1	H	B	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC420	20.2	15.3	72.6	41.5	1/2"	150	17.47
25x3/4"	DSC421	25.2	16.7	82	47.5	3/4"	90	15.56
32x1"	DSC422	32.3	18.8	100.2	57	1"	48	13.95

● Threaded Union With Coupling (for Water Heater)



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	H	d1	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSB801	27.5	19.2	16	53	14	1/2"	300	17.68
25x3/4"	DSB802	33	24.1	18	63	17.5	3/4"	240	11.58

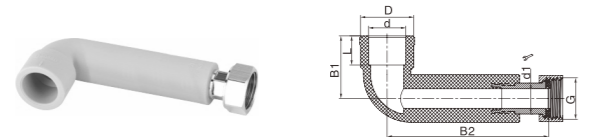
● Threaded Union With Elbow (for Water Heater)



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	B1	B2	d1	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE801	27.5	19.2	16	32	43	14	1/2"	300	17.91

● Threaded Union With Long Elbow (for Water Heater)



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	B1	B2	d1	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE821	27.5	19.2	16	32	83	14	1/2"	180	13.98

● Threaded Union With Tee (for Water Heater)



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	H	B	d1	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC801	27.5	19.2	16	50.5	30	14	1/2"	240	15.89



# PP-R FITTING SERIES(ISO 15874)

## INTRODUCTION

PP-R pipes and fittings were made of high quality imported raw materials, and the performance of the products reach or exceed the standard in DIN8077/8088, After three inspections of raw materials, process finished products, the quality can be assured.

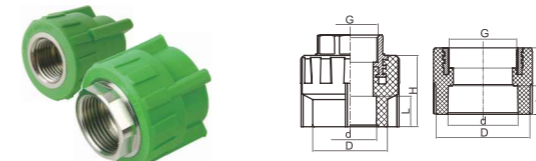
## FEATURES OF PRODUCT

- Green,environmental protection,sanitation non-toxic,health indicators in line with national drinking water requirements.
- Good stability,resistance to high temperature and pressure.
- Excellent anti-aging properties, service life over 50 years under the national standards GB/T18742.
- A hot melt homogeneity connect to eliminate hidden dangers of leakage.

## FIELDS OF APPLICATION

Portable water supply in residential buildings,hospitals,hotels,shipbuilding etc.  
 Pipe networks for rainwater utilization systems,swimming pool facilities,agriculture and horticulture,industry,i.e.transport of aggressive fluids (acids, etc).  
 Heating pipe for residential building.

## Female Threaded Coupling



Carton size(mm):390x255x250,DSB213:515x400x220

Size	ITEM.No.	D	d	L	G	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSB201	28.4	19.2	16	1/2"	41.6	252	14.82
20x3/4"	DSB202	28.4	19.2	16	3/4"	41	228	16.31
25x1/2"	DSB203	34.5	24.1	18	1/2"	41.5	252	14.43
25x3/4"	DSB204	34.5	24.1	18	3/4"	44.4	210	16.32
32x1/2"	DSB205	43.1	31	20	1/2"	44	180	11.40
32x3/4"	DSB206	43.1	31	18	3/4"	42	180	13.10
32x1"	DSB207	43.1	31	20	1"	44.8	96	14.81
40x11/4"	DSB208	55	38.9	22.5	11/4"	52.5	54	14.41
50x11/2"	DSB209	67	48.9	25.5	11/2"	56	42	14.93
63x2"	DSB210	84	61.8	29.5	2"	62	24	13.02
75x21/2"	DSB211	116	73.8	33	21/2"	70	16	13.12
90x3"	DSB212	118.5	88.5	36	3"	84	12	11.69
110x4"	DSB213	145	108	41.5	4"	88	15	19.60

## Female Threaded Tee



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	H	B	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC201	28.4	19.2	16	1/2"	58.6	34.7	180	12.03
25x1/2"	DSC202	34.5	24.1	18	1/2"	62.4	37.6	144	11.10
25x3/4"	DSC203	34.5	24.1	18	3/4"	64	39.5	120	11.04
32x1/2"	DSC204	43.1	31	20	1/2"	66	41.5	108	9.40
32x3/4"	DSC205	43.1	31	20	3/4"	72	42	84	9.31
32x1"	DSC206	43.1	31	20	1"	79	41.5	60	11.34
40x11/4"	DSC207	55	38.9	22	11/4"	95	47.5	32	10.39
50x11/2"	DSC208	67	48.9	25.2	11/2"	109	56.5	20	9.48
63x2"	DSC209	84	61.8	29.3	2"	129.5	64	12	8.90

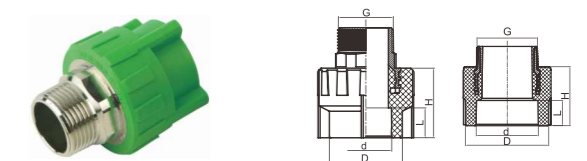
## Female Threaded Elbow



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE201	28.4	19.2	16	1/2"	29	36	240	15.03
25x1/2"	DSE202	34.5	24.1	18	1/2"	30.8	37	180	12.57
25x3/4"	DSE203	34.5	24.1	18	3/4"	32.5	38	150	13.52
32x1/2"	DSE204	43.1	31	20	1/2"	34	43.2	120	10.99
32x3/4"	DSE205	43.1	31	20	3/4"	38	42.5	102	11.18
32x1"	DSE206	43.1	31	20	1"	41.6	41.5	72	12.86
40x11/4"	DSE207	55	38.9	22	11/4"	49	47.5	42	12.61
50x11/2"	DSE208	67	48.9	25.2	11/2"	55.5	56.5	24	10.57
63x2"	DSE209	84	61.8	29.3	2"	66	64	14	9.65

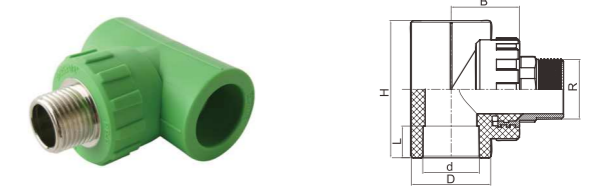
## Male Threaded Coupling



Carton size(mm):390x255x250,DSB313:515x400x220

Size	ITEM.No.	D	d	L	G	H	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSB301	28.4	19.2	16	1/2"	41.6	240	14.38
20x3/4"	DSB302	28.4	19.2	16	3/4"	41	180	14.55
25x1/2"	DSB303	34.5	24.1	18	1/2"	41.5	228	13.71
25x3/4"	DSB304	34.5	24.1	18	3/4"	44.4	162	13.36
32x1/2"	DSB305	43.1	31	20	1/2"	44	180	11.87
32x3/4"	DSB306	43.1	31	18	3/4"	42	162	12.50
32x1"	DSB307	43.1	31	20	1"	44.8	90	17.80
40x11/4"	DSB308	55	38.9	22.5	11/4"	52.5	54	15.85
50x11/2"	DSB309	67	48.9	25.5	11/2"	56	42	15.95
63x2"	DSB310	84	61.8	29.5	2"	62	24	14.52
75x21/2"	DSB311	116	73.8	33	21/2"	70	12	12.29
90x3"	DSB312	118.5	88.5	36	3"	84	12	15.96
110x4"	DSB313	145	108	41.5	4"	88	9	14.72

## Male Threaded Tee



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	H	B	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSC301	28.4	19.2	16	1/2"	58.6	34.7	162	11.63
25x1/2"	DSC302	34.5	24.1	18	1/2"	62.4	37.6	120	10.00
25x3/4"	DSC303	34.5	24.1	18	3/4"	64	39.5	108	10.71
32x1/2"	DSC304	43.1	31	20	1/2"	66	41.5	102	9.22
32x3/4"	DSC305	43.1	31	20	3/4"	72	42	78	9.56
32x1"	DSC306	43.1	31	20	1"	79	41.5	60	13.08
40x11/4"	DSC307	55	38.9	22	11/4"	95	47.5	28	10.08
50x11/2"	DSC308	67	48.9	25.2	11/2"	109	56.5	18	9.10
63x2"	DSC309	84	61.8	29.3	2"	129.5	64	10	8.71

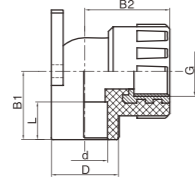
## Male Threaded Elbow



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE401	28.4	19.2	16	1/2"	29	36	210	13.81
25x1/2"	DSE402	34.5	24.1	18	1/2"	30.8	37	150	10.93
25x3/4"	DSE403	34.5	24.1	18	3/4"	32.5	38	132	12.54
32x1/2"	DSE404	43.1	31	20	1/2"	34	43.2	108	10.17
32x3/4"	DSE405	43.1	31	20	3/4"	38	42.5	90	10.42
32x1"	DSE406	43.1	31	20	1"	41.6	41.5	66	14.60
40x11/4"	DSE407	55	38.9	22	11/4"	49	47.5	35	11.89
50x11/2"	DSE408	67	48.9	25.2	11/2"	55.5	56.5	24	11.36
63x2"	DSE409	84	61.8	29.3	2"	66	64	12	9.85

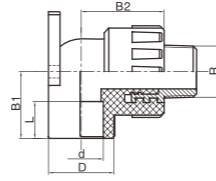
● Female Threaded Elbow With Disk



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE301	28.4	19.2	16	1/2"	29	36	162	11.02
25x1/2"	DSE302	34.5	24.1	18	1/2"	30.8	37	150	11.85
25x3/4"	DSE303	34.5	24.1	18	3/4"	32.5	38	120	10.20

● Male Threaded Elbow With Disk



Carton size(mm):390x255x250

Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	DSE501	28.4	19.2	16	1/2"	29	36	138	9.85
25x1/2"	DSE502	34.5	24.1	18	1/2"	30.8	37	120	9.78
25x3/4"	DSE503	34.5	24.1	18	3/4"	32.5	38	102	10.03

● PPR Y type tee



Size	ITEM.No.	Qty/ctn	Weight(g)
20	DSC011	240	42.11
25	DSC012	144	69

● Check valve with brass ball



Size	ITEM.No.	Qty/ctn	Weight(g)
20	DSH403	168	139
25	DSH404	168	145

● Bypass cross



Size	ITEM.No.	Qty/ctn	Weight(g)
20	DSJ301	360	36.7
25	DSJ302	216	55.2

● S type elbow



Size	ITEM.No.	Qty/ctn	Weight(g)
20	DSE014	480	28.4
25	DSE015	300	47.2

● Plug-new



Size	ITEM.No.	Qty/ctn	Weight(g)
20	DSD104	1000	10

● Equipotential female elbow



Size	ITEM.No.	Qty/ctn	Weight(g)
20*1/2	DSE214	144	92.6
25*1/2	DSE215	120	100.2

● Five links across bridge



Size	ITEM.No.	Qty/ctn	Weight(g)
20	DSJ401	240	43.8
25	DSJ402	144	71.2
25*20	DSJ403	144	65.4

● Bypass cross



Size	ITEM.No.	Qty/ctn	Weight(g)
25	DSJ501	96	91

● Return water ring female tee



Size	ITEM.No.	Qty/ctn	Weight(g)
20*1/2	DSC211	96	105.3
25*1/2	DSC212	72	106.5

● Double female elbow with tap connector



Size	ITEM.No.	Qty/ctn	Weight(g)
20x1/2	DSE993	50	177.6
25x1/2	DSE994	45	192.7

● Y type downstream tee



Size	ITEM.No.	Qty/ctn	Weight(g)
20	DSC014	180	53
25	DSC015	120	83.5

● PPR long elbow



Size	ITEM.No.	Qty/ctn	Weight(g)
20	DSE011	420	28
25	DSE012	240	50.1
32	DSE013	114	102

● Flange



Size	ITEM.No.	Weight(g)
2025-25	DSK121	89.3
3240-40	DSK123	220

● Flange with brass



Size	ITEM.No.	Weight(g)
2025*1/2	DSK122	120.6
3240*1	DSK124	312.3



## PP-R PIPE&FITTING SERIES(ISO 15874)

### INTRODUCTION

PP-R pipes and fittings were made of high quality imported raw materials, and the performance of the products reach or exceed the standard in DIN8077/8088, After three inspections of raw materials, process finished products, the quality can be assured.

### FEATURES OF PRODUCT

- Green,environmental protection,sanitation non-toxic,health indicators in line with national drinking water requirements.
- Good stability,resistance to high temperature and pressure.
- Excellent anti-aging properties, service life over 50 years under the national standards GB/T18742.
- A hot melt homogeneity connect to eliminate hidden dangers of leakage.

### FIELDS OF APPLICATION

Portable water supply in residential buildings,hospitals,hotels,shipbuilding etc.  
 Pipe networks for rainwater utilization systems,swimming pool facilities,agriculture and horticulture,industry,i.e.transport of aggressive fluids (acids, etc).  
 Heating pipe for residential building.

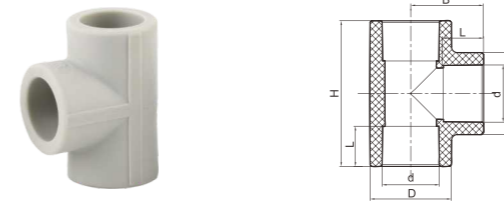
### Coupling



Size	ITEM.No.	D	d	L	H	Qty/ctn	Weight/ctn(kg)
20	PB001	28.8	19.2	15.2	33.2	1200	14.34
25	PB002	34.7	24.1	17.1	37.5	660	1.02
32	PB003	44.3	31	19.3	41.7	360	10.95
40	PB004	55.3	38.9	21	45.3	240	12.82
50	PB005	68.8	48.9	24	51.6	144	13.17
63	PB006	86	61.8	28	59.8	72	11.28

Carton size(mm): 515x400x220

### Equal tee



Size	ITEM.No.	D	d	L	B	H	Qty/ctn	Weight/ctn(kg)
20	PC00128.8	19.2	15.2	25.2	50.5	540	11.60	
25	PC00234.7	24.1	17	30.8	61.6	300	10.77	
32	PC00344.3	31	18.9	35.8	71.6	168	10.73	
40	PC00455.3	38.9	21.6	43.5	87	96	11.38	
50	PC00568.8	48.9	24	50.5	101	60	12.40	
63	PC006 86	61.8	28	60.5	121	38	14.03	

Carton size(mm): 515x400x220

### Reducing tee



Size	ITEM.No.	D	d	D1	d1	L	H	Qty/ctn	Weight/ctn(kg)
25x20	PC101	34.7	24.1	28.8	19.2	16.5	53.1	360	10.45
32x20	PC102	44.3	31	28.8	19.2	19.3	60	216	10.30
32x25	PC103	44.3	31	34.7	24.1	19.3	66	192	10.23
40x20	PC104	55.3	38.9	28.8	19.2	21.2	64.3	156	11.87
40x25	PC105	55.3	38.9	34.7	24.1	21.2	68.7	144	11.89
40x32	PC106	55.3	38.9	44.3	31	21.2	77	120	11.46
50x20	PC107	68.8	48.9	28.8	19.2	23.8	70	108	13.85
50x25	PC108	68.8	48.9	34.7	24.1	23.8	75.4	99	13.64
50x32	PC109	68.8	48.9	44.3	31	23.8	82	72	11.28
50x40	PC110	68.8	48.9	55.3	38.9	23.8	90.4	72	12.51
63x20	PC111	86	61.8	28.8	19.2	28	79	48	10.11
63x25	PC112	86	61.8	34.7	24.1	28	83.4	48	10.88
63x32	PC113	86	61.8	44.3	31	28	90.4	48	11.98
63x40	PC114	86	61.8	55.3	38.9	28	98.4	48	13.26
63x50	PC115	86	61.8	68.8	48.9	28	108.4	44	13.80

Carton size(mm): 515x400x220

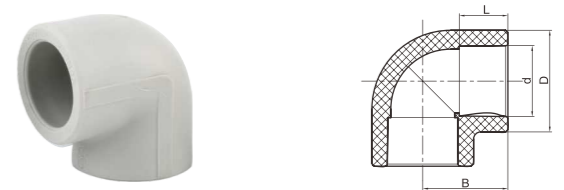
### Elbow 45°



Size	ITEM.No.	D	d	L	Qty/ctn	Weight/ctn(kg)
20	PE101	28.8	19.2	15.5	960	13.30
25	PE102	34.7	24.1	17.5	540	12.25
32	PE103	44.3	31	18.8	300	11.73
40	PE104	55.3	38.9	21.3	156	11.08
50	PE105	68.8	48.9	25	96	12.80
63	PE106	86	61.8	28	48	11.38

Carton size(mm): 515x400x220

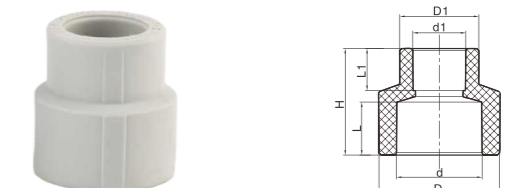
### Elbow 90°



Size	ITEM.No.	D	d	L	B	Qty/ctn	Weight/ctn(kg)
20	PE001	28.8	19.2	15.3	25.3	720	11.67
25	PE002	34.7	24.1	16.6	29	420	10.47
32	PE003	44.3	31	19.3	36.3	240	12.39
40	PE004	55.3	38.9	21.7	43.7	120	11.46
50	PE005	68.8	48.9	23.8	49.6	72	11.77
63	PE006	86	61.8	28	60.1	48	14.22

Carton size(mm): 515x400x220

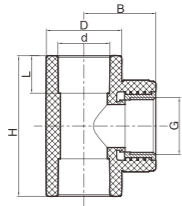
### Reducer



Size	ITEM.No.	D	d	D1	d1	L1	L	H	Qty/ctn	Weight/ctn(kg)
25x20	PB101	34.5	24.1	28.8	19.2	15.3	16.5	36.4	720	11.02
32x20	PB102	44.1	31	28.8	19.2	15.3	19.3	38.8	480	11.69
32x25	PB103	44.1	31	34.7	24.1	16.5	19.3	39.7	420	10.91
40x20	PB104	55.1	38.9	28.8	19.2	15.3	21.2	42	390	15.04
40x25	PB105	55.1	38.9	34.7	24.1	16.5	21.2	43.2	360	14.21
40x32	PB106	55.1	38.9	44.3	31	19.3	21.2	45.3	276	12.39
50x20	PB107	68.6	48.9	28.8	19.2	15.3	23.8	45.6	240	15.57
50x25	PB108	68.6	48.9	34.7	24.1	16.5	23.8	46.4	240	16.03
50x32	PB109	68.6	48.9	44.3	31	19.3	23.8	49	216	15.21
50x40	PB110	68.6	48.9	55.3	38.9	21.2	23.8	50.4	144	11.35
63x20	PB111	85.8	61.8	28.8	19.2	15.3	28	50.8	144	16.20
63x25	PB112	85.8	61.8	34.7	24.1	16.5	28	52.8	123	14.40
63x32	PB113	85.8	61.8	44.3	31	19.3	28	55.3	120	14.47
63x40	PB114	85.8	61.8	55.3	38.9	21.2	28	56.2	108	13.98
63x50	PB115	85.8	61.8	68.8	48.9	23.8	28	57.9	100	13.78

Carton size(mm): 515x400x220

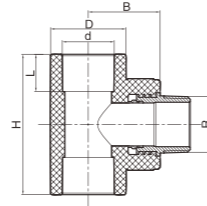
Female threaded tee



Size	ITEM.No.	D	d	L	H	B	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	PC201	29.4	19.2	15.5	52.6	32.8	1/2"	150	
20x3/4"	PC202	29.6	19.2	15.7	58	31	3/4"	120	
25x1/2"	PC203	35.8	24.1	17.1	59.6	32.2	1/2"	120	
25x3/4"	PC204	44.3	24.1	17.4	65.4	33.4	3/4"	100	
32x3/4"	PC205	44.3	31	19.3	64	38	3/4"	56	
32x1"	PC206	44.3	31	19.3	75.8	43.8	1"	48	

Carton size(mm): 390x255x180

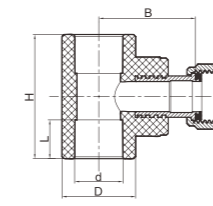
Male threaded tee



Size	ITEM.No.	D	d	L	H	B	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	PC301	29.4	19.2	15.5	52.6	32.8	1/2"	150	
20x3/4"	PC302	29.6	19.2	15.7	58	31	3/4"	108	
25x1/2"	PC303	35.8	24.1	17.1	59.6	32.2	1/2"	108	
25x3/4"	PC304	44.3	24.1	17.4	65.4	33.4	3/4"	72	
32x3/4"	PC305	44.3	31	19.3	64	38	3/4"	52	
32x1"	PC306	44.3	31	19.3	75.8	43.8	1"	44	

Carton size(mm): 390x255x180

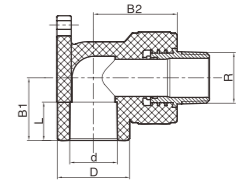
Threaded union with tee



Size	ITEM.No.	D	d	L	H	B	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	PI701	29.4	19.2	15.5	49.6	27.7	1/2"	128	
20x3/4"	PI702	29.4	19.2	15.5	51.6	28	3/4"	120	
25x3/4"	PI703	35.5	24.1	17.1	57.6	29.5	3/4"	96	
25x1"	PI704	35.1	24.1	17.1	59	33	1"	64	

Carton size(mm): 390x255x180

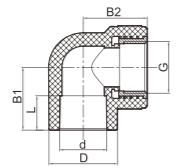
Male threaded elbow with disk



Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	PE501	29.2	19.2	15.5	1/2"	25.3	33.8	92	
25x1/2"	PE502	35.5	24.1	17.7	1/2"	35	36.7	80	

Carton size(mm): 390x255x180

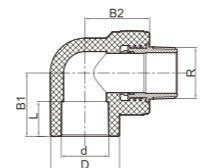
Female threaded elbow



Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	PE201	29.4	19.2	15.5	1/2"	26.4	29.5	210	
20x3/4"	PE202	29.4	19.2	15.5	3/4"	29.3	33	132	
25x1/2"	PE203	35.1	24.1	17.1	1/2"	29	33	150	
25x3/4"	PE204	35.1	24.1	17.6	3/4"	32.2	32.8	100	
32x3/4"	PE205	43.9	31	19.3	3/4"	32	38	68	
32x1"	PE206	43.9	31	19.5	1"	37.8	43.3	56	

Carton size(mm): 390x255x180

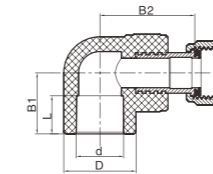
Male threaded elbow



Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	PE401	29.4	19.2	15.5	1/2"	26.4	31	210	
20x3/4"	PE402	29.4	19.2	15.5	3/4"	29.3	33	120	
25x1/2"	PE403	35.1	24.1	17.1	1/2"	29	33	132	
25x3/4"	PE404	35.1	24.1	17.6	3/4"	32.2	32.8	88	
32x3/4"	PE405	43.9	31	19.3	3/4"	32	38	60	
32x1"	PE406	43.9	31	19.5	1"	37.8	43.3	48	

Carton size(mm): 390x255x180

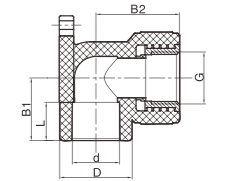
Threaded union with elbow



Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	PE701	29.4	19.2	15.5	1/2"	24.8	27.7	140	
20x3/4"	PE702	29.4	19.2	15.5	3/4"	25.5	28	128	

Carton size(mm): 390x255x180

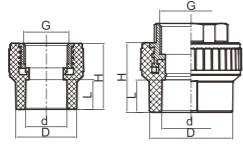
Female threaded elbow with disk



Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	Weight/ctn(kg)
20x1/2"	PE301	29.2	19.2	15.5	1/2"	25.3	33.8	108	
25x1/2"	PE302	35.5	24.1	17.7	1/2"	35	36.7	100	

Carton size(mm): 390x255x180

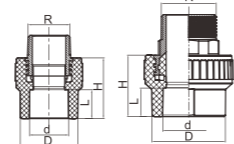
Female threaded coupling



Size	ITEM.No.	D	d	L	H	G	Qty/ctn	Weight/ctn(kg)
20x1/2"	PB201	29.5	19.2	15.2	38.4	1/2"	270	
20x3/4"	PB202	29.1	19.2	15.4	37.2	3/4"	210	
25x1/2"	PB203	35.2	24.1	17.2	38	1/2"	210	
25x3/4"	PB204	35.5	24.1	17.3	38.5	3/4"	180	
32x3/4"	PB206	44	31	18.5	39.7	3/4"	120	
32x1"	PB207	44	31	18.5	44.3	1"	100	
40x1 1/4"	PB208	55.2	38.9	21.5	46.3	1 1/4"	36	
50x1 1/2"	PB209	68.9	48.9	23.8	49.2	1 1/2"	28	
63x2"	PB210	86.1	61.8	28	54.5	2"	18	

Carton size(mm): 390x255x180

Male threaded coupling



Size	ITEM.No.	D	d	L	H	R	Qty/ctn	Weight/ctn(kg)
20x1/2"	PB301	28.6	19.2	15.6	34.7	1/2"	270	
20x3/4"	PB302	29.1	19.2	15.4	37.2	3/4"	180	
25x1/2"	PB303	35.2	24.1	17.2	38	1/2"	210	
25x3/4"	PB304	35.5	24.1	17.8	37.5	3/4"	162	
32x3/4"	PB306	44	31	18.5	39.7	3/4"	108	
32x1"	PB307	44	31	18.7	37.9	1"	88	
40x1 1/4"	PB308	55.2	38.9	21.5	46.3	1 1/4"	36	
50x1 1/2"	PB309	68.9	48.9	23.8	49.2	1 1/2"	28	
63x2"	PB310	86.1	61.8	28	54.5	2"	15	

Carton size(mm): 390x255x180

● Welding Die

CODE	SIZE
DSL014	20
DSL015	25
DSL016	32
DSL017	40
DSL018	50
DSL019	63
DSL020	75
DSL021	90
DSL022	110
DSL023	160

● Welding Device (Luxurious)

CODE	SIZE
DSL011	20~32
DSL012	20~63
DSL013	75~110

● Welding device

CODE	SIZE
DSL024	110~160

● Pipe Scissors (mm)

CODE	SIZE
DSM001	20-32
DSM002	20-40
DSM003	20-63

● Pipe Cutter

CODE	SIZE
DSM011	20~32
DSM012	20~63
DSM013	50~125

Fusing tool

The pipes and fittings in Type Three PP-RC piping systems are connected through thermal fuse plugging. The thermal fusing tools are applied to melt the inner & outer surfaces of the fitting and pipes simultaneously and plug connect them under the specified temperature and conditions. The two parts are integrated uniformly and firmly when cooled. The connection provides good sealing, high reliability and avoids any leakage. See the table for fusing connection technical requirement.

Operation requiremen

- 1、 Check whether or not the specifications of the pipes and fittings to be connected meet with the install action requirement before the construction.Special attention shall be paid not to misuse or mix up cold and hot water pipes;
- 2、 Check the visual quality of pipes and fittings. Remove any cracks found, oil and burs. Strictly follow specified technical parameters for operation.The pipes or fittings shall be inserted directly instead of being related during heating;
- 3、 There shall be a uniform fusing circle at the connection between pipes and fitting;
- 4、 In case of lack of skill, a line shall be marked at pipe insert point to confirm the depth, the manual insertion depth shall be strictly controlled to avoid any over insertion that causes blockage and negative influence to flow rate.
- 5、 The pipes can be sealed and used only after pressure test and acceptance.

Technical parameter for fusing connection:

Pipe outer diameter (mm)	Fusing depth (mm)	Heating time (Second)	Inserting time (Second)	Cooling time (Second)
20	14	5	4	2
25	15	7	4	2
32	16.5	8	6	4
40	18	12	6	4
50	20	18	6	4
63	24	24	8	6
75	26	30	10	8
90	32	40	10	8
110	38.5	50	15	10
160	56	80	20	15



Fusing connection procedure



- 1.Pipe cutting off. The pipes must be vertically cut off with pipe cutter, the uneven edge must be trimmed after cut off.
2. A mark shall be made at the depth of pipe insetion(equals to slip-in depth of adaptor)
- 3.Heat up the entire insertion part on welding tools, including pipes and fitting.

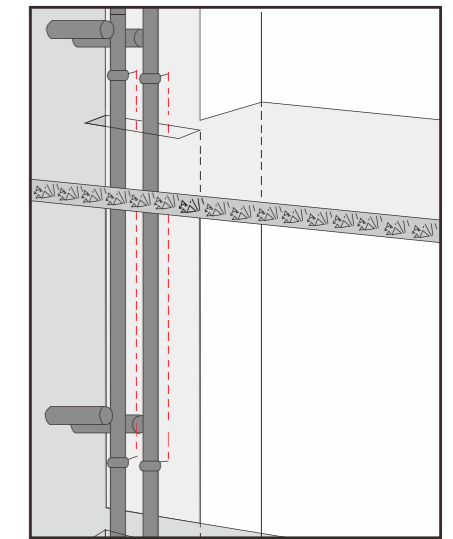


4. When the heating is over, insert the pipe into adaptor stably and evenly to form a solid and perfect joint.

1. The quality guarantee is availability only using our pipes with fittings.  
2. The constructor needs to pass through the technology and safety training, can guarantee the construction quality.

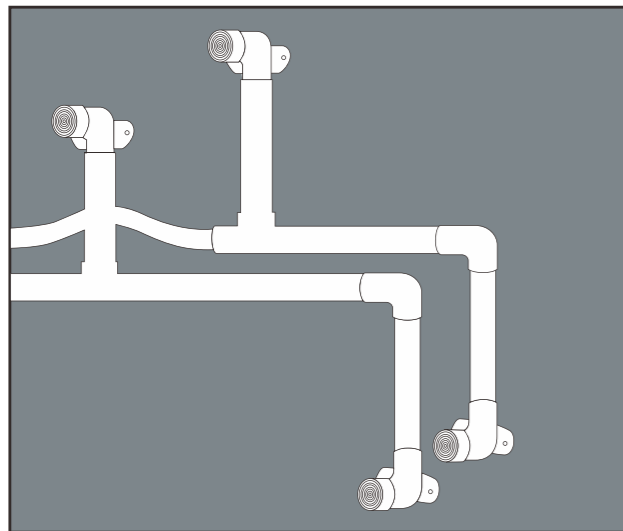
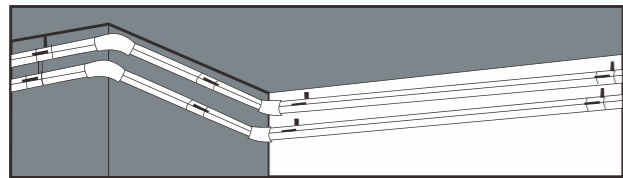
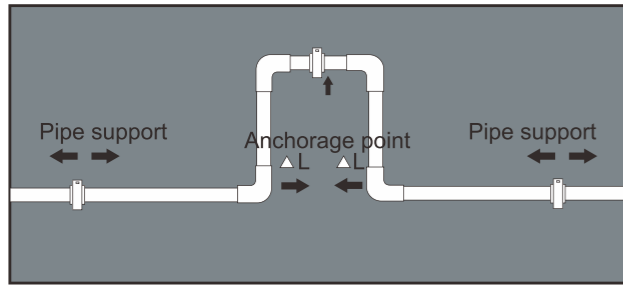
Installation technical precautions

- When temperature drops under 0°C in winter, precaution must taken to prevent possible cracking of pipes if the pipes are hit by external force.
- The pipes shall be away from heat when stored for long time, direct sunshine shall be Avoided during product transportation or storage.
- PP-RC pipe has big expansion coefficient, technical measures must be taken to prevent the thermal deformation of the pipes during the exposed or covered pipe layout.
- One support or hanger (pipe buckle seat) must be installed every 400mm in exposed layout or non-linear covered layout.
- During installation, relevant design & installation codes must be followed, the construction workers must be trained and carry their certification badges at work.



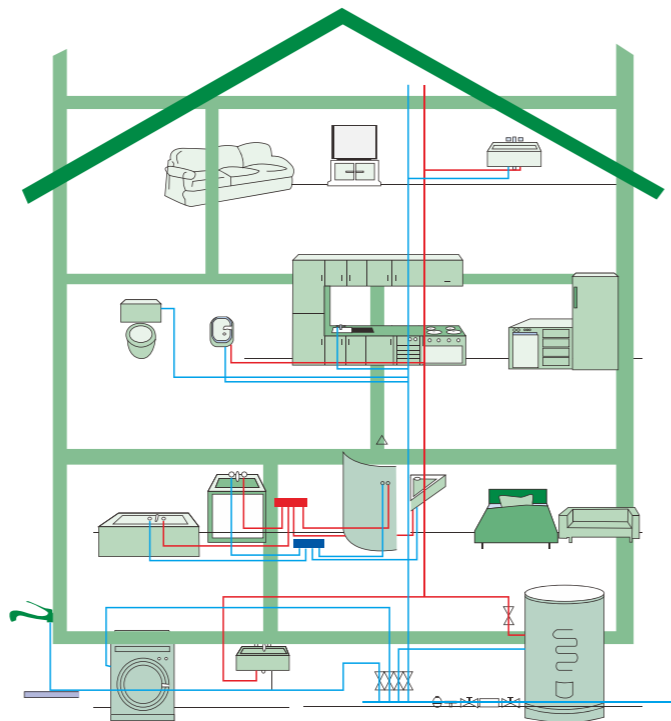
Anti-expansion measures must be taken in case of big temperature difference:

A. In pipe vertical installation, the main pipes will expand & hrink in hot & cold conditions vertically between the two floors. One support (pipe buckle seat) shall be installed adjacent to two branches each. The distance between the supports shall not exceed 400 mm, other means can also be used to compensate, e.g., use the branch of the main pipe to compensate naturally.



### B. Pipe network installed outside

1. The places where pipe network direction changes can be used to compensate linear expansion. In special case, U loop can be used to compensate the expansion, mainly for Ø50~110MM pipes. Attention must be paid to split the pipe into several sections when anchoring piece is installed and expansion force can be oriented to the direction needed.
2. For Ø20~50MM pipe, mechanic binding method can be used to prevent expansion.



Schematic Diagram of PP-RC Cold,Hot Water Pipe Use

### C. Hidden pipe layout

The pipes embedded into walls and floors can prevent expansion, the decoration must be done with the materials capable to absorb pressure and elongation force without being damaged. In case there is partition materials (meet with standard ) in the pipe, the materials shall tolerate more expansion. The outer diameter of the pipes shall not exceed Ø25MM. Note: When operation temperature is below 5°C, heating time shall be extended by 50%.



## PP-R QUICK CONNECT FITTINGS(DIN)

### INTRODUCTION

Donsen PPR push fittings are produced by imported raw materials, which are lead-free, non-toxic, and comply with international health standards. Adding UV resistant formula to extend outdoor service life.

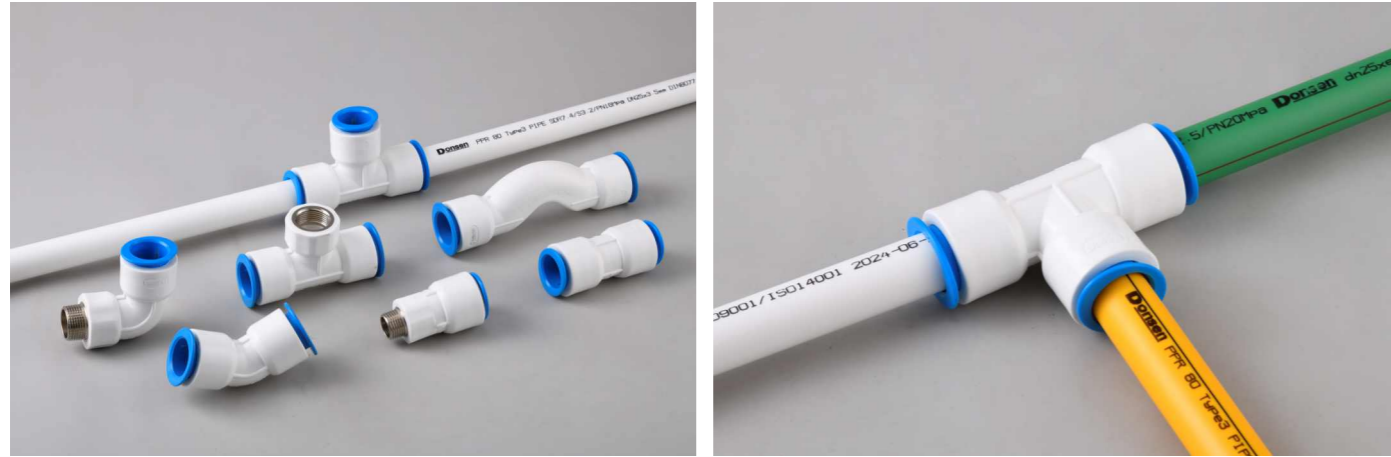
### FEATURES OF PRODUCT

- Stable performance, environmentally friendly and non-toxic
- 304 stainless steel reinforcement, tightly locking pipe, durable, double-layer EPDM seal, deepening the sinking to increase stability, pipe fittings can be repeatedly disassembled, main body with 100% imported Hyosung raw materials, safe and sanitary;
- It is efficient to disassemble and assemble.
- 3 seconds inline or dismantling, no need for hot melt, glue and other professional tools or skills, easy to learn, improve the efficiency of manual work;
- Super compatible, flexible
- Applicable to all types of pipes, can be connected to PPR, PEX, PE, PVC, PERT and other pipes that meet the national standard, and can be used for efficient and rapid construction under harsh or narrow space;
- Beautiful appearance, quality assurance
- The shape of the product adopts advanced foreign elements, and the DONSEN typeface and production date information are printed on the body to facilitate product quality traceability.



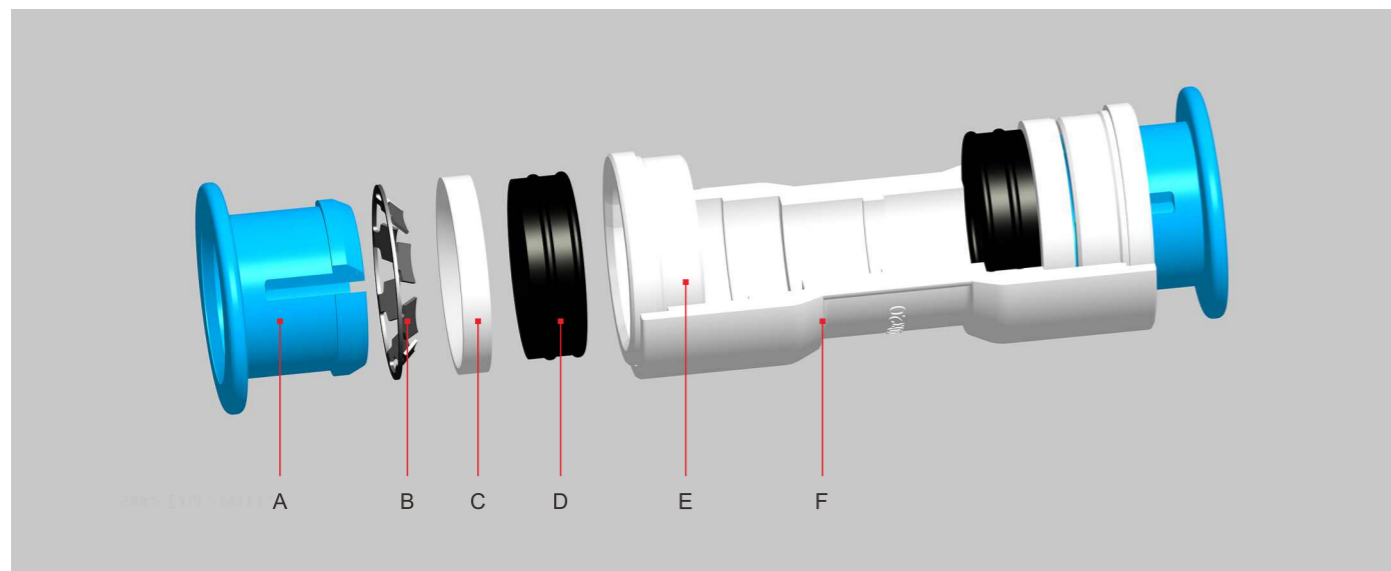
**FIELDS OF APPLICATION**

- The product can be used for surface mounting or burying, indoor or outdoor, suitable for pipeline connection such as PPR, PE, PERT, CPVC, UPVC.
- Widely used in household water supply systems, agricultural irrigation systems, floor heating systems, garden systems, coal mine pipeline systems, equipment waterway systems, water leakage repairs in field pipelines, temporary water use in the field, and narrow space installations;
- Not suitable for chemical oil, fuel, compressed air applications;



**OUTER DIAMETER PIPE SIZE**

material	national standard	Nd ( mm )		20		25		32		pipe minimum wall thickness (mm)	Out ofroundness
		min	max	Outer diameter Limit size(mm)	Outer diameter Limit size(mm)	Outer diameter Limit size(mm)	Outer diameter Limit size(mm)				
PPR	GB/T 18742.2	20.0	20.3	25.0	25.3	32.0	32.3	≥2	<0.1		
PE	GB/T 13663	20.0	20.3	25.0	25.3	32.0	32.3	≥2	<0.1		
PEX	GB/T 18992.2	20.0	20.3	25.0	25.3	32.0	32.3	≥2	<0.1		
CPVC	GB/T 18993.2	20.0	20.3	25.0	25.3	32.0	32.3	≥2	<0.1		
UPVC	GB/T 10002.1	20.0	20.3	25.0	25.3	32.0	32.3	≥2	<0.1		



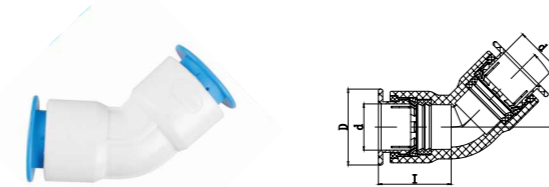
A: PP + 30g.f For Disassembly And Assembly Of Pipes      B: 304 Stainless Steel Retaining Ring  
 C: POM gasket      D: Food Grade EPDM, Double V Structure Anti-off O-ring  
 E/F: All Hyosung Materials Main Body

**● Coupling**



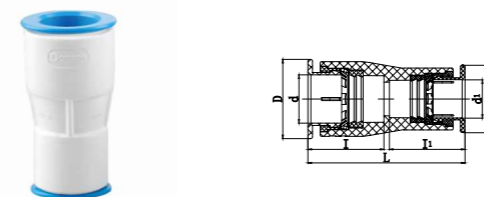
Size	ITEM.No.	D	L	I	Qty/ctn
20	DSK001	37.3	86	41.5	300
25	DSK002	43.5	90	43.5	204
32	DSK003	53.5	96	46.5	160

**● 45° Bend**



Size	ITEM.No.	D	I	Qty/ctn
20	DSK007	37.3	41.5	300
25	DSK008	43.5	43.5	204
32	DSK009	53.5	46.5	120

**● Reducing Coupling**



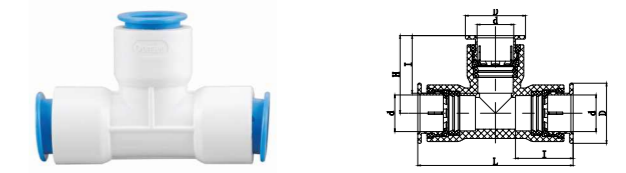
Size	ITEM.No.	D	L	I	D1	I1	Qty/ctn
25x20	DSK013	37.3	88	41.5	41.5	41.5	300
32x20	DSK014	43.5	91	43.5	43.5	43.5	204
32x25	DSK015	53.5	91	46.5	46.5	46.5	120

**● Reducing Tee**



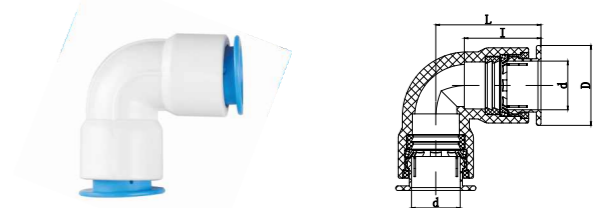
Size	ITEM.No.	D	L	I	D1	H	I1	Qty/ctn
25x25x20	DSK019	43.5	207.5	43.5	37.3	56	41.5	120
32x32x20	DSK020	53.5	216	46.5	37.3	66	41.5	96
32x32x25	DSK021	53.5	129.1	46.5	43.5	66	43.5	84

**● Equal Tee**



Size	ITEM.No.	D	L	I	H	Qty/ctn
20	DSK004	37.3	86	41.5	41.5	300
25	DSK005	43.5	90	43.5	43.5	204
32	DSK006	53.5	96	46.5	46.5	160

**● 90° Bend**



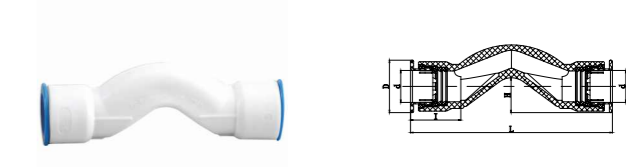
Size	ITEM.No.	D	L	I	Qty/ctn
20	DSK010	37.3	63.5	41.5	264
25	DSK011	43.5	63.5	43.5	180
32	DSK012	53.5	75.5	46.5	96

**● 90° Reducing Bend**



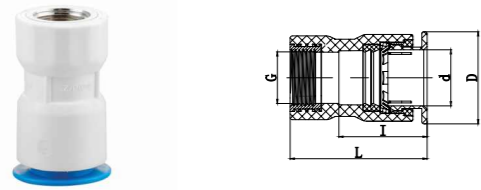
Size	ITEM.No.	D	I	D1	I1	Qty/ctn
25x20	DSK016	43.5	43.5	37.3	41.5	180
32x20	DSK017	53.5	46.5	37.3	41.5	120
32x25	DSK018	53.5	46.5	43.5	43.5	108

**● Bridging Bend**



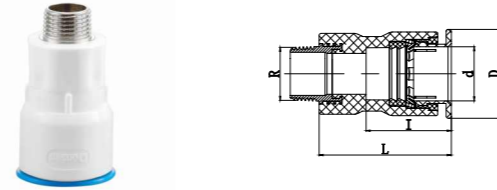
Size	ITEM.No.	D	I	H	Qty/ctn
20	DSK022	37.3	41.5	23.8	180
25	DSK023	43.5	43.5	28.9	133
32	DSK024	53.5	46.5	36.9	72

● Female Threaded Coupling



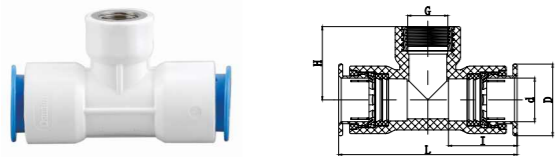
Size	ITEM.No.	D	L	I	Qty/ctn
20x1/2"	DSK025	37.3	63	41.5	210
25x1/2"	DSK026	43.5	65	43.5	180
25x3/4"	DSK027	43.5	66.5	43.5	150
25x1"	DSK028	43.5	67	43.5	108
32x3/4"	DSK029	53.5	69.5	46.5	108
32x1"	DSK030	53.5	72	46.5	90

● Male Threaded Coupling



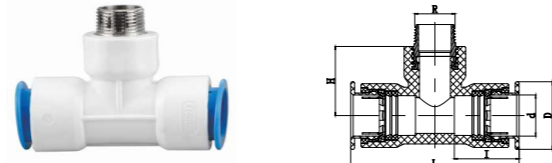
Size	ITEM.No.	D	L	I	Qty/ctn
20x1/2"	DSK031	37.3	63	41.5	180
25x1/2"	DSK032	43.5	65	43.5	150
25x3/4"	DSK033	43.5	66.5	43.5	120
25x1"	DSK034	43.5	67	43.5	96
32x3/4"	DSK035	53.5	69.5	46.5	96
32x1"	DSK036	53.5	72	46.5	72

● Female Threaded Tee



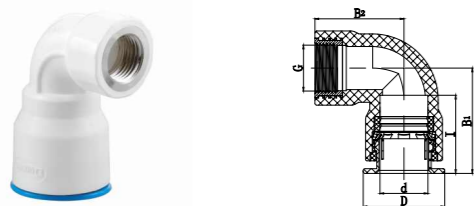
Size	ITEM.No.	D	L	I	H	Qty/ctn
20x1/2"x20	DSK037	37.3	105	41.5	32.5	108
25x1/2"x25	DSK038	43.5	106.5	43.5	44.5	72
25x3/4"x25	DSK039	43.5	108	43.5	44.5	66
32x1/2"x32	DSK040	53.5	113	46.5	44.5	48
32x3/4"x32	DSK041	53.5	118	46.5	47.5	42
32x1"x32	DSK042	53.5	128	46.5	47.5	36

● Male Threaded Tee



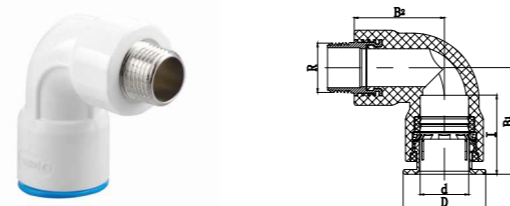
Size	ITEM.No.	D	L	I	H	Qty/ctn
20x1/2"x20	DSK043	37.3	105	41.5	32.5	96
25x1/2"x25	DSK044	43.5	106.5	43.5	44.5	72
25x3/4"x25	DSK045	43.5	108	43.5	44.5	60
32x1/2"x32	DSK046	53.5	113	46.5	44.5	48
32x3/4"x32	DSK047	53.5	118	46.5	47.5	42
32x1"x32	DSK048	53.5	128	46.5	47.5	36

● Female Threaded Elbow



Size	ITEM.No.	D	L	B1	B2	Qty/ctn
20x1/2"	DSK049	37.3	41.5	56.5	37.8	150
25x1/2"	DSK050	43.5	43.5	66.5	37.8	120
25x3/4"	DSK051	43.5	43.5	56	47.4	90
32x1/2"	DSK052	53.5	46.5	71.5	37.8	90
32x3/4"	DSK053	53.5	46.5	71.5	47.5	78
32x1"	DSK054	53.5	46.5	76	50.6	60

● Male Threaded Elbow



Size	ITEM.No.	D	L	B1	B2	Qty/ctn
20x1/2"	DSK055	37.3	41.5	56.5	37.8	138
25x1/2"	DSK056	43.5	43.5	66.5	37.8	120
25x3/4"	DSK057	43.5	43.5	56	47.4	90
32x1/2"	DSK058	53.5	46.5	71.5	37.8	90
32x3/4"	DSK059	53.5	46.5	71.5	47.5	60
32x1"	DSK060	53.5	46.5	76	50.6	54



PPR COPPER PIPE&FITTINGS(DIN)

INTRODUCTION

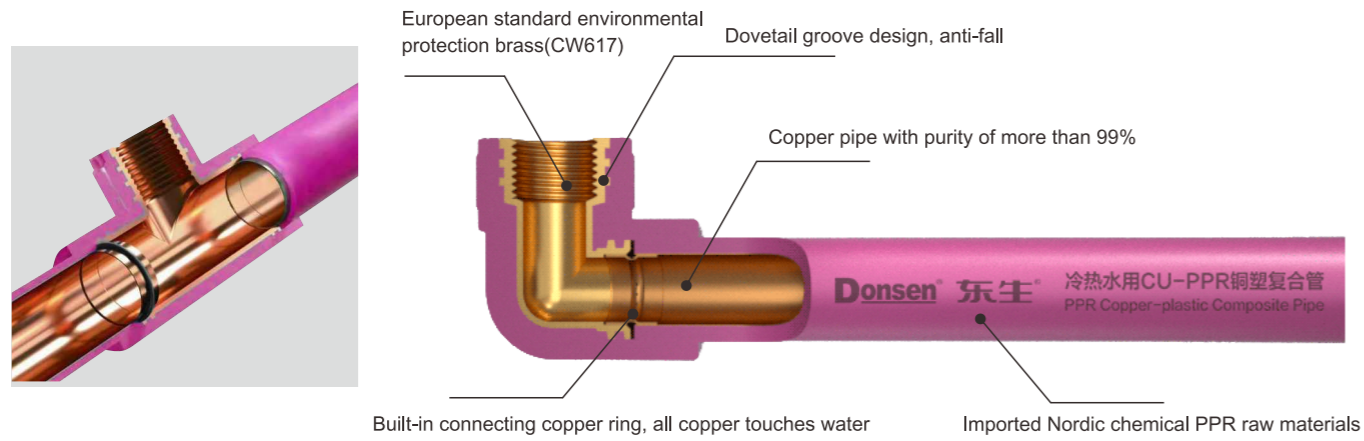
The outer layer of Donsen CU-PPR pipe is made of Borealis Chemical PP-R raw material, and the inner layer is made of T2 purple copper, which is extruded from double layers. The outer layer of Donsen CU-PPR fittings is made of Borealis Chemicals PP-R raw material, and the inner layer is made of environmentally friendly brass. Leak proof copper rings are added at the connection between the pipes and fittings to achieve full copper water passage.

FEATURES OF PRODUCT

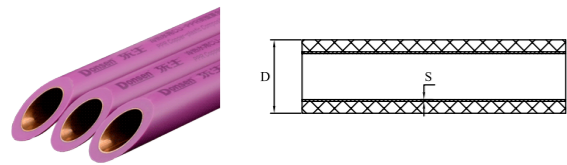
- **Full copper design, double-layer leak proof**  
External PPR hot melt connection, internal leak proof copper ring connection, realizing double-layer leak proof connection design, forming a full copper water environment.
- **Active antibacterial, clean and safe**  
The inner layer of purple copper has antibacterial and bacteriostatic effects, and copper ions are an indispensable trace element for the human body.

FIELDS OF APPLICATION

Suitable for high-end residential, star rated hotels, resorts, hot springs and other water supply pipeline systems.



● PPR Copper Pipes



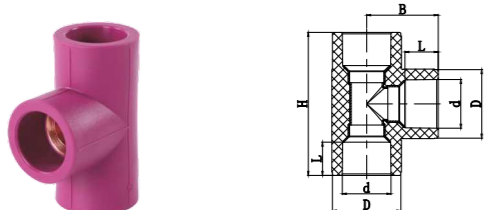
Size	ITEM.No.	D	S	Qty/ctn	weight/ctn(kg)
20x3.4	DSA661	20	0.25	/	/
25x4.2	DSA662	25	0.3	/	/
32x5.4	DSA663	32	0.3	/	/

● Coupling



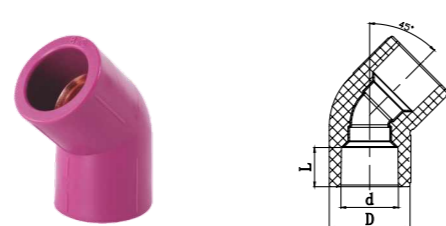
Size	ITEM.No.	D	d	L	H	Qty/ctn	weight/ctn(kg)
20	DSB661	30	19.3	15	47.5	/	/
25	DSB662	36	24.2	16.5	52.5	/	/
32	DSB663	45	31.2	18.5	58.5	/	/

● Equal Tee



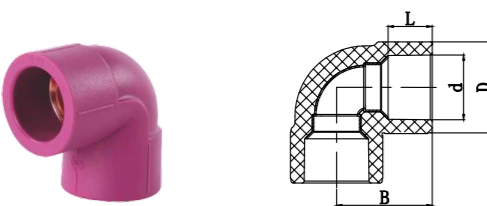
Size	ITEM.No.	D	d	L	H	B	Qty/ctn	weight/ctn(kg)
20	DSC661	30	19.3	15	62	31	/	/
25	DSC662	36	24.2	16.5	71	35.5	/	/
32	DSC663	45	31.2	18.5	81.6	40.7	/	/

● Elbow 45°



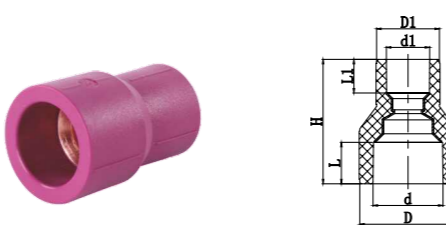
Size	ITEM.No.	D	d	L	Qty/ctn	weight/ctn(kg)
20	DSE671	30	19.3	15	/	/
25	DSE672	36	24.2	16.5	/	/
32	DSE673	45	31.2	18.5	/	/

● Elbow 90°



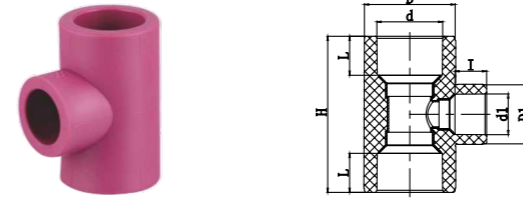
Size	ITEM.No.	D	d	L	B	Qty/ctn	weight/ctn(kg)
20	DSE661	30	19.3	15	31	/	/
25	DSE662	36	24.2	16.5	35.7	/	/
32	DSE663	45	31.2	18.5	41.7	/	/

● Reducer



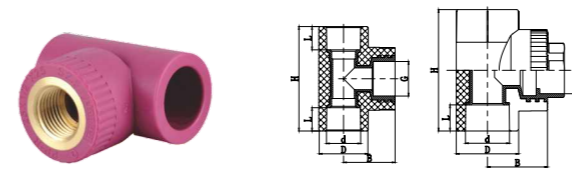
Size	ITEM.No.	D	d	D1	d1	L1	L	H	Qty/ctn	weight/ctn(kg)
25x20	DSB671	36	24.2	30	19.3	15	16.5	51.5	/	/
32x20	DSB672	45	31.2	30	19.3	15	18.5	55.5	/	/
32x25	DSB673	45	31.2	36	24.2	16.5	18.5	57.3	/	/

● Reducing Tee



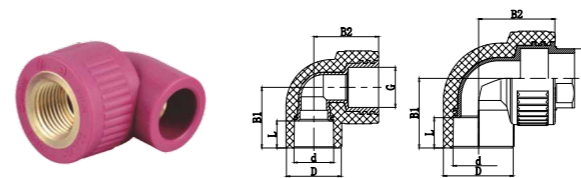
Size	ITEM.No.	D	d	D1	d1	L	H	Qty/ctn	weight/ctn(kg)	
25x20x25	DSC671	36	24.2	30	19.3	15	16.5	67.5	/	/
32x20x32	DSC672	45	31.2	30	19.3	15	18.5	74	/	/
32x25x32	DSC673	43	31.2	36	24.2	16.5	18.5	77.6	/	/

● Female Threaded Tee



Size	ITEM.No.	D	d	L	G	B	Qty/ctn	weight/ctn(kg)
20x1/2"	DSC681	30	19.3	15	1/2"	65	/	/
25x1/2"	DSC682	36	24.2	16.5	1/2"	70	/	/
25x3/4"	DSC683	36	24.2	16.5	3/4"	78	/	/
32x1"	DSC684	45	31.2	18.5	1"	90	/	/

● Female Threaded Elbow



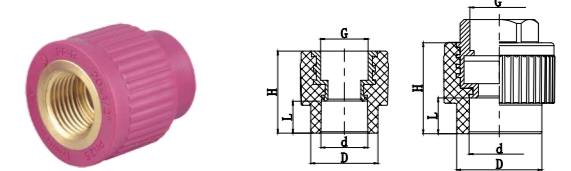
Size	ITEM.No.	D	d	L	G	B1	B2	Qty/ctn	weight/ctn(kg)
20x1/2"	DSE681	30	19.3	15	1/2"	33	36	/	/
25x1/2"	DSE682	36	24.2	16.5	1/2"	35	39.5	/	/
25x3/4"	DSE683	36	24.2	16.5	3/4"	37	39.5	/	/
32x1"	DSE684	45	31.2	18.5	1"	42.5	46.5	/	/

● Pipe Plug



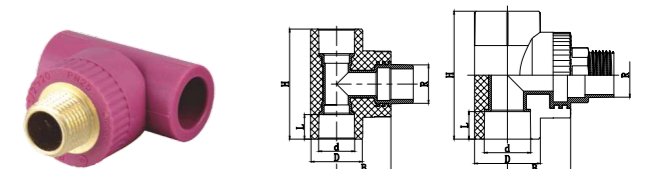
Size	ITEM.No.	D	G	L	H	Qty/ctn	weight/ctn(kg)
25x1/2"	DSD104	16.45	1/2"	7.55	19.47	/	/

● Female Threaded Coupling



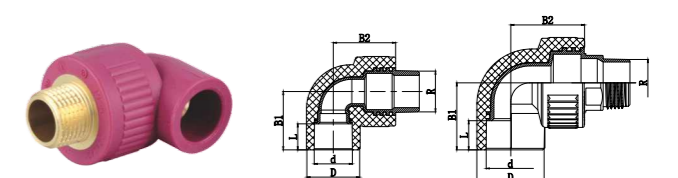
Size	ITEM.No.	D	d	L	G	H	Qty/ctn	weight/ctn(kg)
20x1/2"	DSB681	30	19.3	15	1/2"	40.5	/	/
25x1/2"	DSB682	36	24.2	16.5	1/2"	42.6	/	/
25x3/4"	DSB683	36	24.2	16.5	3/4"	42.4	/	/
32x1"	DSB684	45	31.2	18.5	1"	40.5	/	/

● Male Threaded Tee



Size	ITEM.No.	D	d	L	R	H	Qty/ctn	weight/ctn(kg)
20x1/2"	DSB691	30	19.3	15	1/2"	40.5	/	/
25x1/2"	DSB692	36	24.2	16.5	1/2"	42.6	/	/
25x3/4"	DSB693	36	24.2	16.5	3/4"	42.4	/	/
32x1"	DSB670	45	31.2	18.5	1"	40.5	/	/

● Male Threaded Elbow



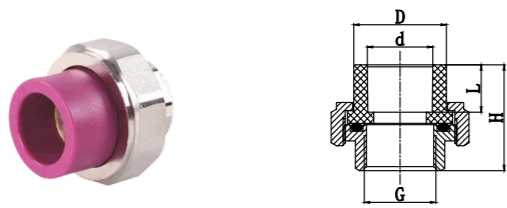
Size	ITEM.No.	D	d	L	R	B1	B2	Qty/ctn	weight/ctn(kg)
20x1/2"	DSE691	30	19.3	15	1/2"	33	36	/	/
25x1/2"	DSE692	36	24.2	16.5	1/2"	35	39.5	/	/
25x3/4"	DSE693	36	24.2	16.5	3/4"	37	39.5	/	/
32x1"	DSE694	45	31.2	18.5	1"	42.5	46.5	/	/

● Pipe Caps



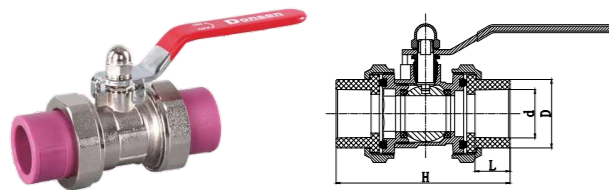
Size	ITEM.No.	D	d	L	H	Qty/ctn	weight/ctn(kg)
20	DSD001	30	19.2	16	24	/	/
25	DSD002	36	24.1	17	27	/	/
32	DSD003	45	31	19	31	/	/

Female Threaded Union



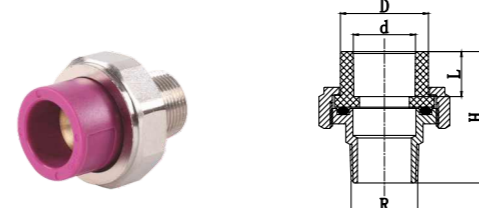
Size	ITEM.No.	D	d	L	H	G	Qty/ctn	weight/ctn(kg)
20x1/2"	DSI661	30	19.3	15	41.4	1/2"	/	/
25x3/4"	DSI662	36	24.2	16.5	46.4	3/4"	/	/
32x1"	DSI663	45	31.2	18.5	54.5	1"	/	/

CU-PPR Double Union Ball Cock



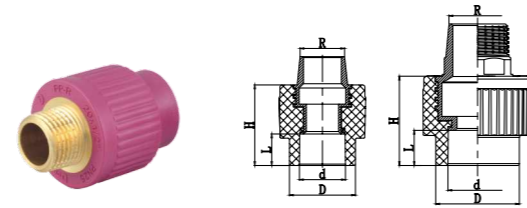
Size	ITEM.No.	D	d	L	H	Qty/ctn	weight/ctn(kg)
20x1/2"	DSR661	30	19.3	15	88.3	/	/
25x3/4"	DSR662	36	24.2	16.5	99.8	/	/
32x1"	DSR663	45	31.2	18.5	121	/	/

Male Threaded Union



Size	ITEM.No.	D	d	L	H	R	Qty/ctn	weight/ctn(kg)
20x1/2"	DSI671	30	19.3	15	52.4	1/2"	/	/
25x3/4"	DSI672	36	24.2	16.5	58.4	3/4"	/	/
32x1"	DSI673	45	31.2	18.5	69	1"	/	/

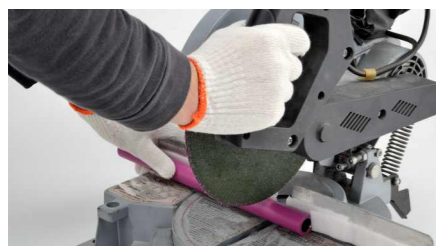
Male Threaded Coupling



Size	ITEM.No.	D	d	L	R	H	Qty/ctn	weight/ctn(kg)
20x1/2"	DSB691	30	19.3	15	1/2"	40.5	/	/
25x1/2"	DSB692	36	24.2	16.5	1/2"	42.6	/	/
25x3/4"	DSB693	36	24.2	16.5	3/4"	42.4	/	/
32x1"	DSB670	45	31.2	18.5	1"	40.5	/	/

ASSEMBLY INSTRUCTIONS...

1 Cutting



Use the cutting machine to cut vertically to the appropriate length and keep the cut flat.

2 Flaring



Round, chamfered and clean the pipe orifice with a special round trimmer for Donsen.

3 Mark



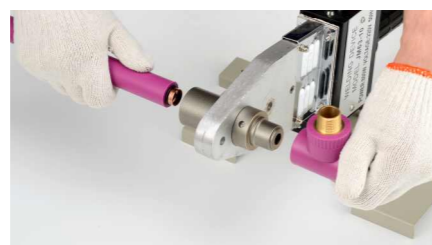
A mark shall be made at the depth of pipe insertion (equals to slip-in depth of adaptor).

4 Insert



Gently insert the leak-proof copper connector into the copper core, and ensure that the connection is stable.

5 Melting



The copper core water pipe and pipe fittings with copper adaptor are pushed into the hot melt die head for heating without rotation with a hot melter and a special hot melt die head.

6 Connection



When the heating is over, insert the pipe into adaptor stably and evenly to form a solid and perfect joint.



INTRODUCTION

Donsen compression fittings and clamp saddles are designed specifically for connecting polyethylene pipes with an outside diameter of 16-110 mm (315 mm for clamp saddles). They are fully compatible with all LDPE, HDPE, PE80 and PE100 pipes complying with EN12201, ISO 4427, DIN 8074. They are normally used to convey drinking water and fluids at pressures up to 16 bar for generic applications. The quality of the materials used makes these fittings resistant to etching by numerous chemical substances and to UV-rays. The Donsen universal fitting can be used to connect systems using PE metric piping with existing pipes made of any material.

FEATURES OF PRODUCT

- **Match with PE Pipe:** PP compression fittings for PE pressure piping networks.
- **Fast & Reliable Connection:** Split ring opening has been optimized to make pipe insertion even easier. Turning of pipe can be prevented by inner threaded during installation.
- **Perfect Sealing in all Conditions:** When tightened and due to seat be compacted, o-ring makes pressure against pipe, superior water tightness was provided.

FIELDS OF APPLICATION

Used in industrial, agricultural and garden irrigation water supply and drainage system.

STANDARDS

- **Operating pressures:** Complying with UNI 9561, UNI 9562, DIN 8076, ISO 17885, ISO 14236.
- **Threads:** Complying with ISO7/1, DIN 2999, UNI EN 10226-1, UNI EN ISO 228-1.
- **Flanges:** Complying with UNI EN 1092-1, ISO 7005-1.



### TENSILE STRENGTH

All Donsen fittings undergo tensile strength tests with the loads shown in the table below, in compliance with the strictest standards and regulations.

PIPE PE 100-PN16		
Ø(mm)	F(N)	F(kgf)
16	833	85
20	1225	125
25	1774	181
32	2950	301
40	4557	465
50	7076	722
63	11250	1148
75	15719	1604
90	22736	2320
110	33898	3459



FEM Analysis-Distribution of the stresses in the universal fitting ring nut are subjected to combined tensile stresses and pressure

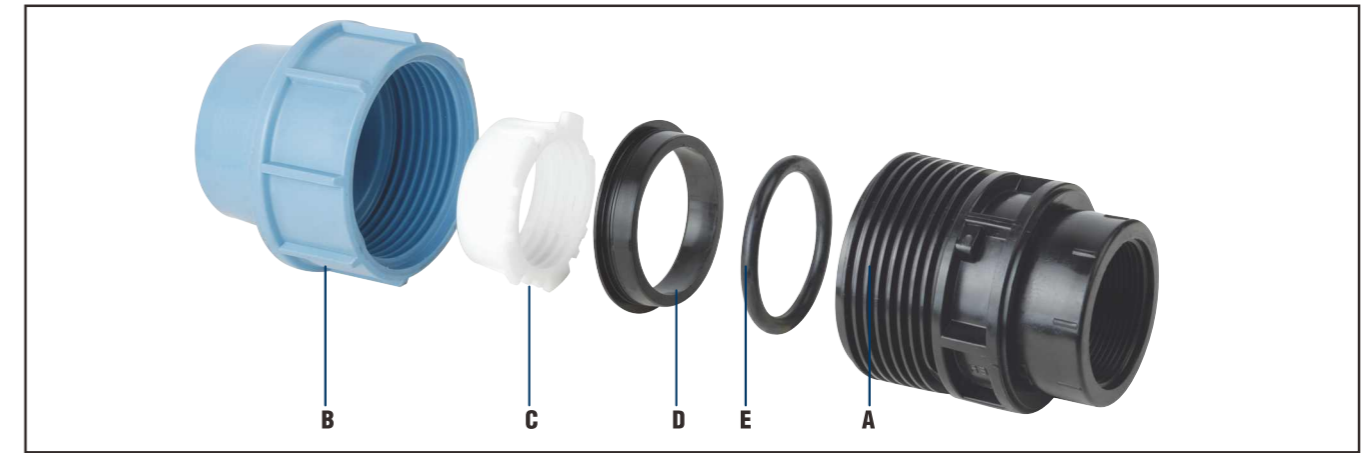
### OPERATING TEMPERATURES

Fittings and clamp saddles are not suitable for use with hot water for the limits dictated by the use of polyethylene pipes. Maximum operating temperatures refer to the use of polyethylene pipes; it is therefore necessary to refer to the regulations applicable in the country of use. The fittings and clamp saddles can withstand temperatures below 0°C. The table below shows the maximum operating pressure during continuous operation (PFA) with changes in temperature if the liquid conveyed is water, in compliance with EN 805, EN 12201 and ISO 13761. For values falling within the set range, a linear interpolation can be obtained.

Operating T [°C]	≤20°	25°	30°	35°	40°	45°
PFA [bar]	16	14.9	13.9	12.8	11.8	10.8
PFA [bar]	10	9.3	8.7	8	7.4	6.7

### TECHNICAL DATA

The Donsen compression fittings line has been designed for the conveyance of fluids at high pressures, for water conveyance, for potable water distribution and applications in the thermo-hydraulic sector. This product line is designed in accordance with the most severe international standards in terms of mechanical properties and alimentary compatibilities.



### MATERIALS

Part	Material	Colour
Body(A)	Polypropylene block copolymer(PP-B) of exceptional mechanical properties even at high temperature.	black
Nut(B)	Polypropylene with dye master of high stability to UV rays and solidity to heat(8 grade according to standard DIN 54004)	blue (RAL 5005)
Clinching ring(C)	Polyacetal resin(POM)with high mechanical resistance and hardness.	white
Blocking bush(D)	Polypropylene	black
O Ring gasket(E)	Special elastomeric acrylonitrile rubber (NBR) for alimentary use	black
Reinforcing ring	AISI 430(UNI X8Cr17,W.nr 14828) Stainless steel for female threads for 1-1/4" to 4"	

### Sanitary Prescriptions

The Compression fittings line is suitable for the conveyance of potable water and alimentary fluids according to the most important national and international standards.

### Working Pressures

The Compression fittings allows the maximum working pressure(PN~PFA\*) of 16 bar (UNI 9562) at the temperature of 20°C.

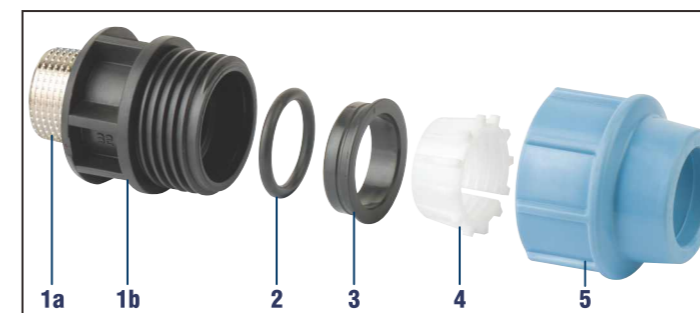
### Reference Standards

Dimensions: UNI 9561  
 Working Pressures: UNI 9562, DIN 8076-3, ISO 14236, BRL-K03.  
 Tubi in Polietilene(PE)/Polyethylene(PE) Pipes: UNI 7990, DIN 8074, UNI EN 12201  
 Threads: UNI ISO 7/1, UNI EN 10226-1, ANSI ASME B1-20.1  
 Flanges: DIN 2501-1, UNI EN 1452-3, ISO 7005-2

### MATERIALS

#### Compression fittings

- 1a. Threaded metal insert in brass stamped in the body.
- 1b. Body: Polypropylene block copolymer(PP-B) of exceptional mechanical properties even at high temperature.
2. O Ring gasket: Special elastomeric acrylonitrile rubber (NBR) for alimentary use
3. Blocking bush: Polypropylene
4. Clinching ring: Polyacetal resin(POM)with high mechanical resistance and hardness.
5. Nut: Polypropylene with dye master of high stability to UV rays and solidity to heat(8 grade according to standard DIN 54004)



TECHNICAL DATA

The Clamp Saddle line has been designed for side outputs on Polyethylene pipes(PE)and it is available in the following range of sizes:



Item 2024/2025/2034 with single or double output. They have diameters for the coupling with Ø20 to Ø315mm pipes and threaded outputs(1/2" to 4"), provided with 2 and 4 bolts according to the diameters.

Item 2022/2023 with single or double output. They have diameters for the coupling with Ø20 to Ø110mm pipes and threaded outputs(1/2" to 2"), provided with 4 and 6 bolts according to the diameters, and metal grommet on the output threads.

Sanitary Prescriptions

The Clamp Saddle line is fit for conveying food fluids because its materials are conform to the national and international standard in force

Lab tests

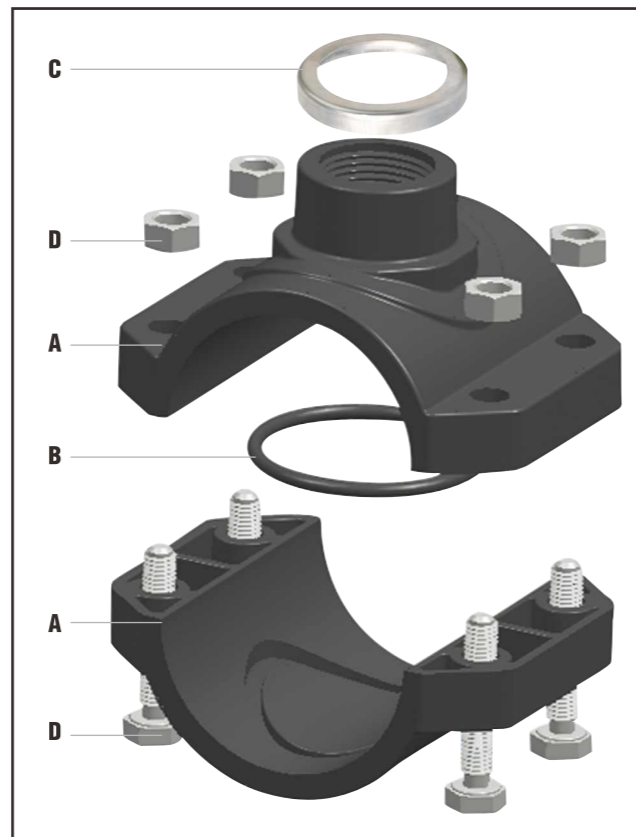
The high quality of the products is ensured by periodical quality audits, through strict lab tests,under the most severe testing conditions.

Working Pressures

The Clamp saddle line allows a maximum working pressure (PN~PFA\*) from 4 to 16 bar,at a temperature of 20°C.

Reference Standards

Pipes:UNI 7990,DIN 8074,UNI EN 12201  
Threads:UNI ISO 7/1,UNI ISO 228/1,ANSI ASME B1-20.1  
International standards:ISO 13460



Material		
Part	Material	Colour
Body and cover(A)	Black mastered polypropylene copolymer,with a high level of stabilization to UV.	black
Gasket(B)	Acrilonitrile elastomeric Rubber(NBR)70 Shore A	black
Reinforcing ring(C)	AISI 430(UNI X8Cr17,W.nr 14828) Stainless steel for type 105-106 only	
Bolts(D)	chromium-plated galvanized steel Screws and nuts made of chromium-plated galvanized steel Threaded hexagonal-head screws UNI 5739 Nuts compliant with UNI 5588	zinc chromate steel

ASSEMBLY INSTRUCTIONS...

Compression fittings 16mm - 63mm



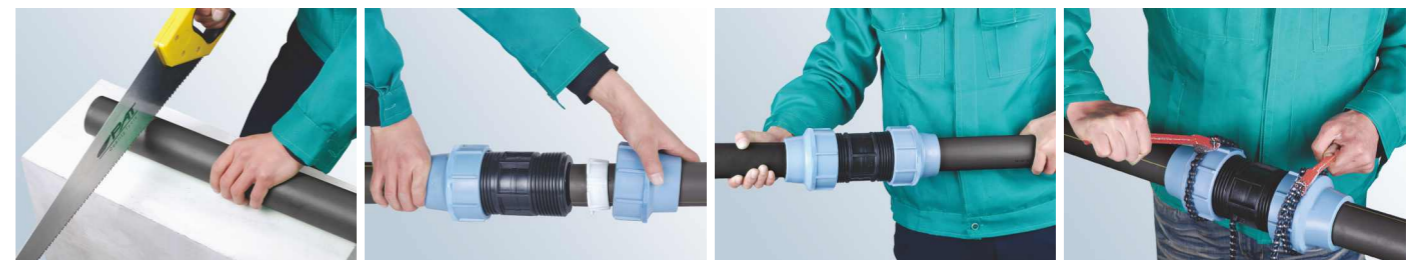
1. Cut the pipe squarely using special pipe cutting tools or circular or band saw. It is advisable to use a guide box to ensure a square cut.
2. Eliminate any burrs and bevel the end of the pipe to facilitate easy assembly and to prevent damage to the fitting gasket. The outer surface of the pipe must be free from imperfections or indentations where the body of the fitting makes contact with the pipe.
3. Unscrew the blue nut and put it onto pipe followed by the white clamping ring. Make sure the clamping ring is in the correct position, with the largest diameter facing the fitting.



4. Press the pipe axially into the fitting, past the gasket, until it touches the internal register inside the fitting body.
5. Tighten the ring nut by hand and then use the torque wrench provided. The ring nut must be tight, but it does not need to reach the end of the fitting body.

ASSEMBLY INSTRUCTIONS...

Compression fittings 75mm - 110mm



1. Cut at 90° the pipe extremity to be connected and eliminate possible flashes.
2. Unscrew of 3-4 turns the fitting nut and make sure that the OR and the blocking bush are in the highlight position.
3. Introduce the pipe into the fitting till reaching the three ribs in the inside wall of the body.
4. Screw the nut up to the end using a belt or chain wrench.

**ASSEMBLING INSTRUCTIONS**

**Clamp saddles - alternative procedure -**



1. Select the hole point and make sure that the external surface of the pipe is free from any impurity, put the gasket into the indentation of the saddle seat.



2. Position the bottom part of the saddle on the chosen point and couple the upper part, then insert the screws from below and tighten the nuts one by one.



3. Drill a hole in the pipe wall, be carefull not to damage the thread and the O-



4. Use a marker to draw a reference line on the pipe to allow reinstalling the saddle, unscrew the nuts and remove the saddle.



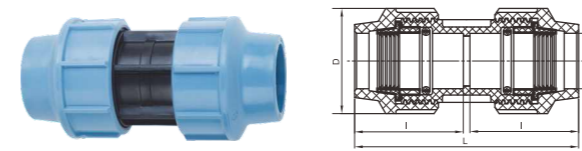
5. Drill the hole in the pipe wall being carefull not to damage the other side of the pipe and remove the scraps.



6. Assemble the saddle according to the marked lines, to keep the hole in the same axis with the saddle's screw hole.

**Coupling**

■ COD.2001

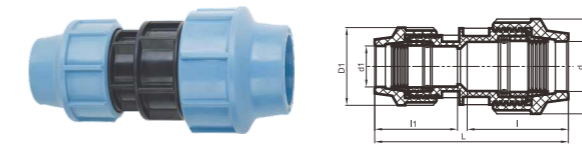


dx d	D	L	I	PN	Qty/ctn	Weight/ctn(kg)
20x20	45	108	52	16	240	19.4
25x25	55	122	59	16	144	17.7
32x32	63	139	68	16	96	17.7
40x40	79	168	82	16	60	19.0
50x50	94	204	102	16	35	18.5
63x63	115	248	121	16	18	16.0
75x75	129	278	136	16	14	16.0
90x90	155	315	154	16	6	12.0
110x110	185	422	205	16	4	13.5

Carton size(mm): 490x390x380

**Reducing Coupling**

■ COD.2002



dx d1	D	D1	L	I	I1	PN	Qty/ctn	Weight/ctn(kg)
25x20	55	45	128	67	56	16	160	16.6
32x20	63	45	139	70	60	16	112	16.2
32x25	63	55	143	70	66	16	112	18.0
40x25	79	55	158	85	66	16	65	15.0
40x32	79	63	163	88	71	16	65	17.0
50x25	94	55	166	100	64	16	42	14.6
50x32	94	63	172	100	70	16	42	15.3
50x40	94	79	197	102	86	16	42	18.3
63x25	115	55	192	119	64	16	27	14.7
63x32	115	63	194	119	71	16	26	14.4
63x40	115	79	204	121	81	16	26	16.4
63x50	115	94	246	130	104	16	18	13.9
75x50	129	94	248	134	100	16	14	12.5
75x63	129	115	285	146	130	16	14	15.2
90x63	155	115	298	157	134	16	8	12.2
90x75	155	129	318	162	146	16	8	13.3
110x90	185	155	370	201	157	16	5	13.9

Carton size(mm): 490x390x380

**Male adaptor**

■ COD.2003



dxG	D	L	I	H	PN	Qty/ctn	Weight/ctn(kg)
20x1/2"	45	81	61	16	16	360	18.3
20x3/4"	45	82	61	17	16	360	18.7
20x1"	45	84	62	20	16	360	18.9
25x1/2"	55	89	69	16	16	240	17.8
25x3/4"	55	90	69	17	16	240	18.0
25x1"	55	91	70	20	16	240	16.4
32x1/2"	63	96	74	16	16	154	16.3
32x3/4"	63	98	76	17	16	154	16.7
32x1"	63	101	77	20	16	154	17.2
32x1 1/4"	63	105	79	21	16	154	17.4
40x1"	79	115	87	20	16	90	15.7
40x1 1/4"	79	120	90	28	16	90	16.6
40x1 1/2"	79	121	90	28	16	90	16.7
40x2"	79	124	89	30	16	85	17.0
50x1"	94	131	104	20	16	65	18.6
50x1 1/4"	94	138	105	28	16	60	17.5
50x1 1/2"	94	139	106	27	16	55	16.6
50x2"	94	141	105	32	16	55	17.2
63x1 1/4"	115	154	120	28	16	32	15.5
63x1 1/2"	115	154	119	26	16	32	15.7
63x2"	115	158	120	26	16	32	16.0
63x2 1/2"	115	159	120	33	16	28	14.7
75x2"	129	174	134	32	16	22	14.4
75x2 1/2"	129	172	131	32	16	22	14.7
75x3"	129	178	133	36	16	22	15.2
90x2"	155	197	158	31	16	11	12.2
90x2 1/2"	155	201	158	35	16	11	12.5
90x3"	155	199	158	33	16	11	12.6
90x4"	155	207	158	41	16	10	11.9
110x2"	185	245	200	31	16	6	11.7
110x3"	185	250	200	36	16	6	11.9
110x4"	185	251	200	37	16	6	12.0

Carton size(mm): 490x390x380

**90° Tee**

■ COD.2005



dx dxd	D	L	I	L1	PN	Qty/ctn	Weight/ctn(kg)
20x20x20	45	139	59	69	16	130	17.8
25x25x25	55	162	66	79	16	78	14.8
32x32x32	63	183	74	90	16	48	14.0
40x40x40	79	218	88	108	16	30	15.6
50x50x50	94	254	100	125	16	18	16.1
63x63x63	115	314	124	156	16	10	15.0
75x75x75	129	364	142	180	16	8	15.9
90x90x90	155	407	154	199	16	3	9.9
110x110x110	185	539	209	264	16	2	11.6

Carton size(mm): 490x390x380













**PN16**  
POVOTE Type

**PP COMPRESSION FITTINGS(ISO 17885)**

**INTRODUCTION**

Donsen compression fittings and clamp saddles are designed specifically for connecting polyethylene pipes with an outside diameter of 16-110 mm (315 mm for clamp saddles). They are fully compatible with all LDPE, HDPE,PE80 and PE100 pipes complying with EN12201, ISO 4427, DIN 8074.They are normally used to convey drinking water and fluids at pressures up to 16 bar for generic applications.The quality of the materials used makes these fittings resistant to etching by numerous chemical substances and to UV-rays.The Donsen universal fitting can be used to connect systems using PE metric piping with existing pipes made of any material.

**FEATURES OF PRODUCT**

- **Match with PE Pipe:** PP compression fittings for PE pressure piping networks.
- **Fast & Reliable Connection:** Split ring opening has been optimized to make pipe insertion even easier.Turning of pipe can be prevented by inner threaded during installation.
- **Perfect Sealing in all Conditions:** When tightened and due to seat be compacted,o-ring makes pressure against pipe,superior water tightness was provided.

**FIELDS OF APPLICATION**

Used in industrial, agricultural and garden irrigation water supply and drainage system.

**STANDARDS**

- **Operating pressures:** Complying with UNI 9561,UNI 9562, DIN 8076,ISO 17885, ISO 14236.
- **Threads:** Complying with ISO7/1, DIN 2999, UNI EN 10226-1,UNI EN ISO 228-1.
- **Flanges:** Complying with UNI EN 1092-1,ISO 7005-1.

**Coupling**

■ FGD. 2001



SIZE

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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**Reducing coupling**

■ FGD. 2002



SIZE

25x20	32x20	32x25	40x25	40x32	50x25	50x32	50x40	63x25
63x32	63x40	63x50	75x50	75x63	90x63	90x75	110x90	

**Male adaptor**

■ FGD. 2003



SIZE

20x1/2"	20x3/4"	20x1"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	32x1"	32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	40x2"	50x1"	50x1 1/4"	50x1 1/2"	50x2"	50x1 1/2"	50x2"	63x1 1/4"	63x1 1/2"	63x2"	63x2 1/2"	75x2"	75x2 1/2"	75x3"	90x2"	90x2 1/2"	90x3"	90x4"	110x2"	110x3"	110x4"
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**90° Tee with threaded male take off**

■ FGD. 2007



SIZE

20x1/2"x20	20x3/4"x20	25x1/2"x25	25x3/4"x25	25x1"x25	32x1/2"x32	32x3/4"x32	32x1"x32	32x1 1/4"x32	40x1"x40	40x1 1/4"x40	40x1 1/2"x40	50x1 1/4"x50	50x1 1/2"x50	50x2"x50	63x1 1/2"x63	63x2"x63	63x2 1/2"x63	75x2 1/2"x75	75x3"x75	90x3"x90	90x4"x90	110x4"x110
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**90° Tee with threaded female take off**

■ FGD. 2008



\*The threaded end is reinforced with a stainless steel ring

SIZE

20x1/2"x20	20x3/4"x20	25x1/2"x25	25x3/4"x25	25x1"x25	32x1/2"x32	32x3/4"x32	32x1"x32	32x1 1/4"x32	40x1"x40	40x1 1/4"x40	40x1 1/2"x40	50x1/2"x50	50x1 1/4"x50	50x1 1/2"x50	50x2"x50	63x1 1/4"x63	63x1 1/2"x63	63x2"x63	63x2 1/2"x63	75x2"x75	75x2 1/2"x75	75x3"x75	90x2 1/2"x90	90x3"x90	90x4"x90	110x3"x110	110x4"x110
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**90° Elbow with threaded male take off**

■ FGD. 2009



SIZE

20x1/2"	20x3/4"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	32x1"	32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	40x2"	50x1 1/4"	50x1 1/2"	50x2"	63x1 1/2"	63x2"	63x2 1/2"	75x2 1/2"	75x3"	90x3"	90x4"	110x4"
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**Female adaptor**

■ FGD. 2004



SIZE

20x1/2"	20x3/4"	20x1"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	32x1"	32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	40x2"	50x1 1/4"	50x1 1/2"	50x2"	63x1 1/4"	63x1 1/2"	63x2"	63x2 1/2"	75x2"	75x2 1/2"	75x3"	90x2"	90x2 1/2"	90x3"	90x4"	110x3"	110x4"
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**90° Tee**

■ FGD. 2005



SIZE

20x20x20	25x25x25	32x32x32	40x40x40	50x50x50	63x63x63	75x75x75	90x90x90	110x110x110
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**90° Reducing tee**

■ FGD. 2006



SIZE

25x20x25	32x20x32	32x25x32	40x25x40	40x32x40	50x25x50	50x32x50	50x40x50	63x25x63	63x32x63	63x40x63	63x50x63	75x63x75	90x63x90	90x75x90	110x90x110
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**90° Elbow with threaded female take off**

FGD- 2010



\*The threaded end is reinforced with a stainless steel ring

SIZE

20x1/2"	20x3/4"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"
32x1"	32x1 1/4"	40x3/4"	40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"
50x1 1/2"	50x2"	63x1 1/2"	63x2"	63x2 1/2"	75x2"	75x2 1/2"
75x3"	90x3"	90x4"	110x3"	110x4"		

**End plug**

FGD- 2013



SIZE

20	25	32	40	50	63	75	90	110
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**90° Tee with increased take off**

FGD- 2016



\*The threaded end is reinforced with a stainless steel ring

SIZE

20x25x20	25x32x25	32x40x32	40x50x40
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**Female adaptor with brass threaded insert**

FGD- 2019



SIZE

20x1/2"	25x3/4"	32x1"	40x1 1/4"	50x1 1/2"	63x2"
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**90 Elbow**

FGD. 2011



SIZE

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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**Female tee with peg fitting**

FGD. 2014



SIZE

32x3/4"x32
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**Wall plate elbow fitting**

FGD. 2017



SIZE

20x1/2"	25x3/4"
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**90° Elbow male with brass threaded insert**

FGD. 2020



SIZE

20x1/2"	20x3/4"	25x3/4"	32x1"	40x1 1/4"	50x1 1/2"	63x2"
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**Flanged adaptor**

FGD. 2012



\*The threaded end is reinforced with a stainless steel ring

SIZE

40x1 1/2"	50x1 1/2"	50x2"	63x2"	63x2 1/2"	75x2 1/2"	75x3"
90x3"	90x4"	110x4"				

**90° Elbow with lateral threaded female take off**

FGD. 2015



\*The threaded end is reinforced with a stainless steel ring

SIZE

25x25x1/2"	32x32x1/2"	32x32x3/4"
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**Male adaptor with brass threaded insert**

FGD. 2018



SIZE

20x1/2"	25x3/4"	32x1"	40x1 1/4"	50x1 1/2"	63x2"
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**90° Elbow female with brass threaded insert**

FGD. 2021



SIZE

20x1/2"	20x3/4"	25x3/4"	32x1"	40x1 1/4"	50x1 1/2"	63x2"
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**INTRODUCTION**

Donsen compression fittings and clamp saddles are designed specifically for connecting polyethylene pipes with an outside diameter of 16-110 mm (315 mm for clamp saddles). They are fully compatible with all LDPE, HDPE, PE80 and PE100 pipes complying with EN12201, ISO 4427, DIN 8074. They are normally used to convey drinking water and fluids at pressures up to 16 bar for generic applications. The quality of the materials used makes these fittings resistant to etching by numerous chemical substances and to UV-rays. The Donsen universal fitting can be used to connect systems using PE metric piping with existing pipes made of any material.

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Split ring opening has been optimized to make pipe insertion even easier. Turning of pipe can be prevented by inner threaded during installation.
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When tightened and due to seat be compacted, o-ring makes pressure against pipe, superior water tightness was provided.

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Used in industrial, agricultural and garden irrigation water supply and drainage system.

**STANDARDS**

- **Operating pressures:**  
Complying with UNI 9561, UNI 9562, DIN 8076, ISO 17885, ISO 14236.
- **Threads:**  
Complying with ISO7/1, DIN 2999, UNI EN 10226-1, UNI EN ISO 228-1.
- **Flanges:**  
Complying with UNI EN 1092-1, ISO 7005-1.

**Coupling**

FGD.2001



SIZE

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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**Reducing coupling**

FGD.2002



SIZE

25x20	32x20	32x25	40x25	40x32	50x25	50x32	50x40	63x25
63x32	63x40	63x50	75x50	75x63	90x63	90x75	110x90	

**Male adaptor**

FGD.2003



SIZE

20x1/2"	20x3/4"	20x1"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	
32x1"	32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	40x2"	50x1"	50x1 1/4"	
50x1 1/2"	50x2"	63x1 1/4"	63x1 1/2"	63x2"	63x2 1/2"	75x2"	75x2 1/2"	
75x3"	90x2"	90x2 1/2"	90x3"	90x4"	110x2"	110x3"	110x4"	

**90° Elbow**

FGD.2001



SIZE

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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**90° Tee**

FGD.2002



SIZE

20x20x20	25x25x25	32x32x32	40x40x40	50x50x50				
63x63x63	75x75x75	90x90x90	110x110x110					

**90° Reducing tee**

FGD.2003



SIZE

25x20x25	32x20x32	32x25x32	40x25x40	40x32x40	50x25x50			
50x32x50	50x40x50	63x25x63	63x32x63	63x40x63	63x50x63			
75x63x75	90x63x90	90x75x90	110x90x110					

**90° Tee with threaded male take off**

FGD.2007



SIZE

20x1/2"x20	20x3/4"x20	25x1/2"x25	25x3/4"x25	25x1"x25				
32x1/2"x32	32x3/4"x32	32x1"x32	32x1 1/4"x32	40x1"x40				
40x1 1/4"x40	40x1 1/2"x40	50x1 1/4"x50	50x1 1/2"x50	50x2"x50				
63x1 1/2"x63	63x2"x63	63x2 1/2"x63	75x2 1/2"x75	75x3"x75				
90x3"x90	90x4"x90	110x4"x110						

**90° Tee with threaded female take off**

FGD.2008



SIZE

20x1/2"x20	20x3/4"x20	25x1/2"x25	25x3/4"x25	25x1"x25	32x1/2"x32			
32x3/4"x32	32x1"x32	32x1 1/4"x32	40x1"x40	40x1 1/4"x40	40x1 1/2"x40			
50x1/2"x50	50x1 1/4"x50	50x1 1/2"x50	50x2"x50	63x1 1/4"x63	63x1 1/2"x63			
63x2"x63	63x2 1/2"x63	75x2"x75	75x2 1/2"x75	75x3"x75	90x2 1/2"x90			
90x3"x90	90x4"x90	110x3"x110	110x4"x110					

\*The threaded end is reinforced with a stainless steel ring

**90° Elbow with threaded male take off**

FGD.2009



SIZE

20x1/2"	20x3/4"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	32x1"	
32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"	50x1 1/2"	50x2"		
63x1 1/2"	63x2"	63x2 1/2"	75x2 1/2"	75x3"	90x3"	90x4"	110x4"	

**Female adaptor**

FGD.2010



SIZE

20x1/2"	20x3/4"	20x1"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	
32x1"	32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	40x2"	50x1"	50x1 1/4"	
50x1 1/2"	50x2"	63x1 1/4"	63x1 1/2"	63x2"	63x2 1/2"	75x2"	75x2 1/2"	
75x3"	90x2"	90x2 1/2"	90x3"	90x4"	110x2"	110x3"	110x4"	

**90° Elbow with threaded male take off**

FGD.2009



SIZE

20x1/2"	20x3/4"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	32x1"	
32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"	50x1 1/2"	50x2"		
63x1 1/2"	63x2"	63x2 1/2"	75x2 1/2"	75x3"	90x3"	90x4"	110x4"	

**End cap**

FGD.2001



SIZE

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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## PP COMPRESSION FITTINGS(ISO 17885)

### INTRODUCTION

Donsen compression fittings and clamp saddles are designed specifically for connecting polyethylene pipes with an outside diameter of 16-110 mm (315 mm for clamp saddles). They are fully compatible with all LDPE, HDPE, PE80 and PE100 pipes complying with EN12201, ISO 4427, DIN 8074. They are normally used to convey drinking water and fluids at pressures up to 10 bar for generic applications. The quality of the materials used makes these fittings resistant to etching by numerous chemical substances and to UV-rays. The Donsen universal fitting can be used to connect systems using PE metric piping with existing pipes made of any material.

### FEATURES OF PRODUCT

- **Match with PE Pipe:**  
PP compression fittings for PE pressure piping networks.
- **Fast & Reliable Connection:**  
Split ring opening has been optimized to make pipe insertion even easier. Turning of pipe can be prevented by inner threaded during installation.
- **Perfect Sealing in all Conditions:**  
When tightened and due to seat be compacted, o-ring makes pressure against pipe, superior water tightness was provided.

### FIELDS OF APPLICATION

Used in industrial, agricultural and garden irrigation water supply and drainage system.

### STANDARDS

- **Operating pressures:**  
Complying with UNI 9561, UNI 9562, DIN 8076, ISO 17885, ISO 14236.
- **Threads:**  
Complying with ISO 7/1, DIN 2999, UNI EN 10226-1, UNI EN ISO 228-1.
- **Flanges:**  
Complying with UNI EN 1092-1, ISO 7005-1.

### Coupling

- COD.3001



#### SIZE

20x20 25x25 32x32 40x40 50x50 63x63 75x75 90x90 110x110

### 90° Tee

- COD.3005



#### SIZE

20x20x20 25x25x25 32x32x32 40x40x40 50x50x50  
63x63x63 75x75x75 90x90x90 110x110x110

### Male adaptor

- COD.3003



#### SIZE

20x1/2" 20x3/4" 20x1" 25x1/2" 25x3/4" 25x1" 32x1/2" 32x3/4"  
32x1" 32x1 1/4" 40x1" 40x1 1/4" 40x1 1/2" 40x2" 50x1" 50x1 1/4"  
50x1 1/2" 50x2" 63x1 1/4" 63x1 1/2" 63x2" 63x2 1/2" 75x2 1/2"  
75x2" 75x3" 90x2" 90x3" 90x4" 110x2" 110x3" 110x4"

### Reducing Coupling

- COD.3001



#### SIZE

25x20 32x20 32x25 40x25 40x32 50x25 50x32 50x40 63x25  
63x32 63x40 63x50 75x50 75x63 90x63 90x75 110x90

### 90° Reducing Tee

- COD.3005



#### SIZE

25x20x25 32x20x32 32x25x32 40x25x40 40x32x40 50x25x50  
50x32x50 50x40x50 63x25x63 63x32x63 63x40x63 63x50x63  
75x63x75 90x63x90 90x75x90 110x90x110

### Female adaptor

- COD.3003



#### SIZE

20x1/2" 20x3/4" 20x1" 25x1/2" 25x3/4" 25x1" 32x1/2"  
32x3/4" 32x1" 32x1 1/4" 40x1" 40x1 1/4" 40x1 1/2" 50x1 1/4"  
50x1 1/2" 50x2" 63x1 1/4" 63x1 1/2" 63x2" 63x2 1/2" 75x2 1/2"  
75x2" 75x3" 90x2" 90x2 1/2" 90x3" 90x4" 110x3" 110x4"

### 90° Tee with threaded male take off

- COD.3007



#### SIZE

20x1/2"x20 20x3/4"x20 25x1/2"x25 25x3/4"x25 25x1"x25 32x1/2"x32  
32x3/4"x32 32x1"x32 32x1 1/4"x32 40x1"x40 40x1 1/4"x40 40x1 1/2"x40  
50x1 1/4"x50 50x1 1/2"x50 50x2"x50 63x1 1/2"x63 63x2"x63 63x2 1/2"x63  
75x2 1/2"x75 75x3"x75 90x3"x90 90x4"x90 110x4"x110

### 90° Elbow with threaded male take off

- COD.3009



#### SIZE

20x1/2" 20x3/4" 25x1/2" 25x3/4" 25x1" 32x1/2" 32x3/4" 32x1"  
32x1 1/4" 40x1" 40x1 1/4" 40x1 1/2" 50x1 1/4" 50x1 1/2" 50x2"  
63x1 1/2" 63x2" 63x2 1/2" 75x2 1/2" 75x3" 90x3" 90x4" 110x4"

### 90° Elbow

- COD.3011



#### SIZE

20x20 25x25 32x32 40x40 50x50 63x63 75x75 90x90 110x110

**End plug**

■ COD.3013



**SIZE**

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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**90° Elbow with threaded female take off**

■ COD.3010



**SIZE**

20x1/2"	20x3/4"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	32x1"	32x1 1/4"	40x3/4"	40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"	50x1 1/2"	50x2"	63x1 1/2"	63x2"	63x2 1/2"	75x2"	75x2 1/2"	75x3"	90x3"	90x4"	110x3"	110x4"
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**90° Tee with threaded female take off**

■ COD.3008



**SIZE**

20x1/2"x20	20x3/4"x20	25x1/2"x25	25x3/4"x25	25x1"x25	32x1/2"x32	32x3/4"x32	32x1"x32	32x1 1/4"x32	40x1"x40	40x1 1/4"x40	40x1 1/2"x40	50x1/2"x50	50x1 1/4"x50	50x1 1/2"x50	50x2"x50	63x1 1/4"x63	63x1 1/2"x63	63x2 1/2"x63	75x2"x75	75x2 1/2"x75	75x3"x75	90x2 1/2"x90	90x3"x90	90x4"x90	110x3"x110	110x4"x110
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**Saddle with single nut**

■ COD.2048



**SIZE**

50x20	50x25	50x32	50x40	63x20	63x25	63x32	63x40	63x50
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**Saddle with double nut**

■ COD.2049



**SIZE**

50x20	50x25	50x32	50x40	63x20	63x25	63x32	63x40	63x50
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**PN10**  
POVOTE Type

**PP COMPRESSION FITTINGS(ISO 17885)**

**INTRODUCTION**

Donsen compression fittings and clamp saddles are designed specifically for connecting polyethylene pipes with an outside diameter of 16-110 mm (315 mm for clamp saddles). They are fully compatible with all LDPE, HDPE, PE80 and PE100 pipes complying with EN12201, ISO 4427, DIN 8074. They are normally used to convey drinking water and fluids at pressures up to 10 bar for generic applications. The quality of the materials used makes these fittings resistant to etching by numerous chemical substances and to UV-rays. The Donsen universal fitting can be used to connect systems using PE metric piping with existing pipes made of any material.

**FEATURES OF PRODUCT**

- **Match with PE Pipe:**  
PP compression fittings for PE pressure piping networks.
- **Fast & Reliable Connection:**  
Split ring opening has been optimized to make pipe insertion even easier. Turning of pipe can be prevented by inner threaded during installation.
- **Perfect Sealing in all Conditions:**  
When tightened and due to seat be compacted, o-ring makes pressure against pipe, superior water tightness was provided.

**FIELDS OF APPLICATION**

Used in industrial, agricultural and garden irrigation water supply and drainage system.

**STANDARDS**

- **Operating pressures:**  
Complying with UNI 9561, UNI 9562, DIN 8076, ISO 17885, ISO 14236.
- **Threads:**  
Complying with ISO7/1, DIN 2999, UNI EN 10226-1, UNI EN ISO 228-1.
- **Flanges:**  
Complying with UNI EN 1092-1, ISO 7005-1.



**Coupling**

■ COD.3001



SIZE

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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**90° Tee**

■ COD.3005



SIZE

20x20x20	25x25x25	32x32x32	40x40x40	50x50x50
63x63x63	75x75x75	90x90x90	110x110x110	

**Male adaptor**

■ COD.3003



SIZE

20x1/2"	20x3/4"	20x1"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"
32x1"	32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	40x2"	50x1"	50x1 1/4"
50x1 1/2"	50x2"	63x1 1/4"	63x1 1/2"	63x2"	63x2 1/2"	75x2 1/2"	
75x2"	75x3"	90x2"	90x3"	90x4"	110x2"	110x3"	110x4"

**End plug**

■ COD.3013



SIZE

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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**90° Elbow with threaded female take off**

■ COD.3010



SIZE

20x1/2"	20x3/4"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	32x1"
32x1 1/4"	40x3/4"	40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"	50x1 1/2"	50x2"
63x1 1/2"	63x2"	63x2 1/2"	75x2"	75x2 1/2"	75x3"	90x3"	90x4"
110x3"	110x4"						

**90° Tee with threaded female take off**

■ COD.3008



SIZE

20x1/2"x20	20x3/4"x20	25x1/2"x25	25x3/4"x25	25x1"x25	32x1/2"x32
32x3/4"x32	32x1"x32	32x1 1/4"x32	40x1"x40	40x1 1/4"x40	40x1 1/2"x40
50x1/2"x50	50x1 1/4"x50	50x1 1/2"x50	50x2"x50	63x1 1/4"x63	63x1 1/2"x63
63x2"x63	63x2 1/2"x63	75x2"x75	75x2 1/2"x75	75x3"x75	90x2 1/2"x90
90x3"x90	90x4"x90	110x3"x110	110x4"x110		

**Reducing Coupling**

■ COD.3001



SIZE

25x20x20	32x20	32x25	40x25	40x32	50x25	50x32	50x40	63x25
63x32	63x40	63x50	75x50	75x63	90x63	90x75	110x90	

**90° Reducing Tee**

■ COD.3005



SIZE

25x20x25	32x20x32	32x25x32	40x25x40	40x32x40	50x25x50
50x32x50	50x40x50	63x25x63	63x32x63	63x40x63	63x50x63
75x63x75	90x63x90	90x75x90	110x90x110		

**Female adaptor**

■ COD.3003



SIZE

20x1/2"	20x3/4"	20x1"	25x1/2"	25x3/4"	25x1"	32x1/2"
32x3/4"	32x1"	32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"
50x1 1/2"	50x2"	63x1 1/4"	63x1 1/2"	63x2"	63x2 1/2"	75x2 1/2"
75x2"	75x3"	90x2"	90x2 1/2"	90x3"	90x4"	110x3"
110x4"						

**Saddle with single nut**

■ COD.3048



SIZE

50x20	50x25	50x32	50x40	63x20	63x25	63x32	63x40	63x50
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**Saddle with double nut**

■ COD.3049



SIZE

50x20	50x25	50x32	50x40	63x20	63x25	63x32	63x40	63x50
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**90° Tee with threaded male take off**

■ COD.3007



SIZE

20x1/2"x20	20x3/4"x20	25x1/2"x25	25x3/4"x25	25x1"x25	32x1/2"x32
32x3/4"x32	32x1"x32	32x1 1/4"x32	40x1"x40	40x1 1/4"x40	40x1 1/2"x40
50x1 1/4"x50	50x1 1/2"x50	50x2"x50	63x1 1/2"x63	63x2"x63	63x2 1/2"x63
75x2 1/2"x75	75x3"x75	90x3"x90	90x4"x90	110x4"x110	

**90° Elbow with threaded male take off**

■ COD.3009



SIZE

20x1/2"	20x3/4"	25x1/2"	25x3/4"	25x1"	32x1/2"	32x3/4"	32x1"
32x1 1/4"	40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"	50x1 1/2"	50x2"	
63x1 1/2"	63x2"	63x2 1/2"	75x2 1/2"	75x3"	90x3"	90x4"	110x4"

**90° Elbow**

■ COD.3011



SIZE

20x20	25x25	32x32	40x40	50x50	63x63	75x75	90x90	110x110
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## PVC PIPES & FITTINGS(DIN 8063)

### INTRODUCTION

As the series of piping network products for water supply and drainage with mature technology, Pipes and fittings of PVC-U are one of the largest outputs for plastic products in the world, which already had been used widely both at home and abroad. For DONSEN PVC-U water supply piping network, the raw materials and finished products are both match or exceed the relative standards. The piping networks are designed for the uninterrupted supply of water condition from 20°C to 50°C. Under this condition, service life of piping network can up to 50 years. DONSEN PVC-U piping network have the full series size and model of fittings for building water supply, which can suit for many kinds of requirement.

The series of PVC-U PN16 pressure fittings can match the standard DIN 8063.

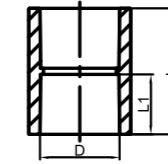
### FEATURES OF PRODUCT

- **High Flow Ability:**  
The inside and outside wall are smooth, the coefficient of friction is small, roughness is only 0.008 to 0.009, anti-fouling property is strong, fluid transport efficiency is enhanced 25% than cast iron piping network.
- **Corrosion Resistant:**  
PVC-U material has strong resistance to most of acid and alkali. No rust, no antiseptic treatment. The service life is 4 times than that of cast iron.
- **Light Weight and Easy Installation:**  
Weight is very light. The density of PVC-U is only 1/5 to 1/6 of that of cast iron. The method of connection is very simple, and the process of installation is very quickly.
- **High Tensile Strength:**  
PVC-U has high tensile strength, and high shock strength. The piping network of PVC-U is not easy to break, and it works safety.
- **Long Service Life:**  
The piping network with normal material can be used around 20 to 30 years, but the PVC-U piping network can be used longer than 50 years.
- **Cheaper Prices:**  
The price of PVC-U piping network are cheaper than that of cast iron.

### FIELDS OF APPLICATION

- Piping networks for water supply in building.
- Piping networks for piping system in water treatment plant.
- Piping networks for water farming.
- Piping networks for irrigation, normal water transport for industry.

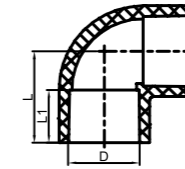
### ● Coupling



PSD.011  
Carton size(mm):490x390x210

Size	PN	D	L1	L	Qty/ctn
20	16	20	16.5	35	910
25	16	25	19	42	490
32	16	32	22.5	47	245
40	16	40	26.5	55	140
50	16	50	31.5	65	84
63	16	63	38	80	42

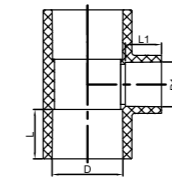
### ● Elbow 90°



PSD.012  
Carton size(mm):490x390x210

Size	PN	D	L1	L	Qty/ctn
20	16	20	16.5	28	595
25	16	25	19	33.5	315
32	16	32	22.5	40	168
40	16	40	26.5	50	98
50	16	50	31.5	58.1	49
63	16	63	38	72	28

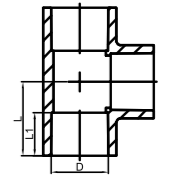
### ● Reducing tee



PSD.020  
Carton size(mm):490x390x210

Size	PN	D	D1	L	L1	Qty/ctn
25x20	16	25	20	19	16.5	266
32x20	16	32	20	22.5	16.5	168
32x25	16	32	25	22.5	19	140
40x20	16	40	20	26.5	16.5	98
40x25	16	40	25	26.5	19	84
40x32	16	40	32	26.5	22.5	70
50x25	16	50	25	31.5	19	49
50x32	16	50	32	31.5	22.5	42
50x40	16	50	40	31.5	26.5	35
63x32	16	63	32	38	22.5	28
63x40	16	63	40	38	26.5	21
63x50	16	63	50	38	31.5	14

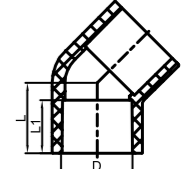
### ● Equal tee



PSD.013  
Carton size(mm):490x390x210

Size	PN	D	L1	L	Qty/ctn
20	16	20	16.5	28	420
25	16	25	19	33.5	210
32	16	32	22.5	40	119
40	16	40	26.5	48	63
50	16	50	31.5	58	35
63	16	63	38	73	21

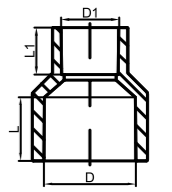
### ● Elbow 45°



PSD.014  
Carton size(mm):490x390x210

Size	PN	D	L1	L	Qty/ctn
20	16	20	16.5	21.5	700
25	16	25	19	25.2	385
32	16	32	22.5	30.4	175
40	16	40	26.5	36.3	126
50	16	50	31.5	43.5	63
63	16	63	38	53	28

### ● Reducer



PSD.018  
Carton size(mm):490x390x210

Size	PN	D	D1	L	L1	Qty/ctn
25x20	16	25	20	19	16.5	630
32x20	16	32	20	22.5	16.5	350
32x25	16	32	25	22.5	19	322
40x20	16	40	20	26.5	16.5	210
40x25	16	40	25	26.5	19	210
40x32	16	40	32	26.5	22.5	175
50x25	16	50	25	31.5	19	119
50x32	16	50	32	31.5	22.5	105
50x40	16	50	40	31.5	26.5	84
63x32	16	63	32	38	22.5	63
63x40	16	63	40	38	26.5	63
63x50	16	63	50	38	31.5	56

● Pipe Caps



PSD.015

Carton size(mm):490x390x210

Size	PN	D	L	Qty/ctn
20	16	20	16.5	1680
25	16	25	19	980
32	16	32	22.5	490
40	16	40	26.5	280
50	16	50	31.5	154
63	16	63	38	84

● Male adapter



PSD.017

Carton size(mm):490x390x210

Size	PN	D	D1	L	L1	Qty/ctn
25x20x1/2	16	25	20	16.5	41.5	700
25x20x3/4	16	25	20	16.5	43.9	700
32x25x1	16	32	25	19	50.7	385
40x32x1	16	40	32	22.5	56.7	245
50x40x1	16	50	40	26.5	60.5	140
50x40x1 1/4	16	50	40	26.5	60.5	140
50x40x1 1/2	16	50	40	26.5	61	140
63x50x1 1/2	16	63	50	31.5	74	70
63x50x2	16	63	50	31.5	78	56

● Female adapter

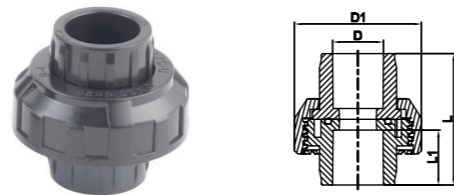


PSD.016

Carton size(mm):490x390x210

Size	PN	D	L	L1	M	Qty/ctn
20x1/2"	16	20	16.5	36	1/2"	700
25x3/4"	16	25	19	40	3/4"	700
32x1"	16	32	22.5	46	1"	385
40x1 1/4"	16	40	26.5	53	1 1/4"	245
50x1 1/2"	16	50	31.5	59.5	1 1/2"	140
63x2"	16	63	38	70	2"	140

● Plastic union

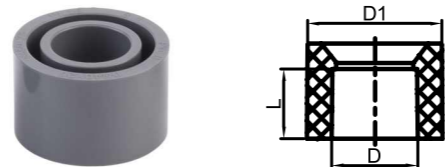


PSD.021

Carton size(mm):490x390x210

Size	D	D1	L	L1	Qty/ctn
20	20	50	52	21.7	700
25	25	61.5	58	25.5	385
32	32	69.5	65	27.2	175
40	40	83	71h	31.8	126
50	50	96.5	80	35	63
63	63	116	88	37.7	28

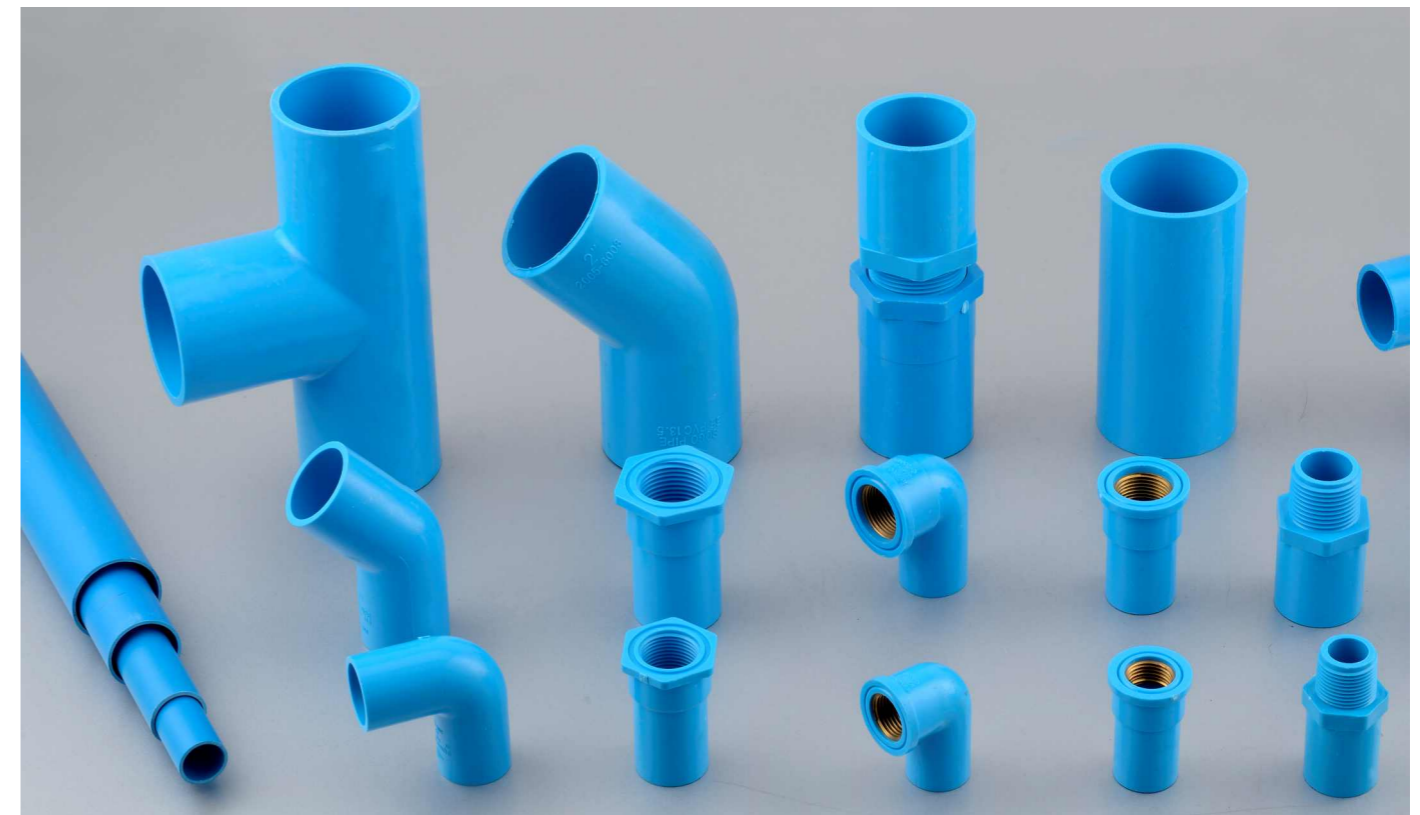
● Reducing ring



PSD.019

Carton size(mm):490x390x210

Size	PN	D1	D	L	Qty/ctn
25x20	16	25	20	16.5	1820
32x20	16	32	20	16.5	910
32x25	16	32	25	19	910
40x20	16	40	20	16.5	490
40x25	16	40	25	19	490
40x32	16	40	32	22.5	490
50x20	16	50	20	16.5	280
50x25	16	50	25	19	280
50x32	16	50	32	22.5	280
50x40	16	50	40	26.5	280
63x32	16	63	32	22.5	126
63x40	16	63	40	26.5	126
63x50	16	63	50	31.5	126



PVC FITTINGS(TIS 1131)

INTRODUCTION

As the series of piping network products for water supply and drainage with mature technology, Pipes and fittings of PVC-U are one of the largest outputs for plastic products in the world, which already had been used widely both at home and abroad. For DONSEN PVC-U water supply piping network, the raw materials and finished products are both match or exceed the relative standards. The piping networks are designed for the uninterrupted supply of water condition from 20°C to 50°C. Under this condition, service life of piping network can up to 50 years. DONSEN PVC-U piping network have the full series size and model of fittings for building water supply, which can suit for many kinds of requirement.

This series of fittings can match the standard TIS 1131. This series of pipes can match the standard TIS 17.

FEATURES OF PRODUCT

- **High Flow Ability:**  
The inside and outside wall are smooth, the coefficient of friction is small, roughness is only 0.008 to 0.009, anti-fouling property is strong, fluid transport efficiency is enhanced 25% than cast iron piping network.
- **Corrosion Resistant:**  
PVC-U material has strong resistance to most of acid and alkali. No rust, no antiseptic treatment. The service life is 4 times than that of cast iron.
- **Light Weight and Easy Installation:**  
Weight is very light. The density of PVC-U is only 1/5 to 1/6 of that of cast iron. The method of connection is very simple, and the process of installation is very quickly.
- **High Tensile Strength:**  
PVC-U has high tensile strength, and high shock strength. The piping network of PVC-U is not easy to break, and it works safety.
- **Long Service Life:**  
The piping network with normal material can be used around 20 to 30 years, but the PVC-U piping network can be used longer than 50 years.
- **Cheaper Prices:**  
The price of PVC-U piping network are cheaper than that of cast iron.

FIELDS OF APPLICATION

- Piping networks for water supply in building.
- Piping networks for piping system in water treatment plant.
- Piping networks for water farming.
- Piping networks for irrigation, normal water transport for industry.

● Coupling



PST.011

Size	Weight:g
18 ( 1/2" )	26.6
20 ( 3/4" )	36.6
25 ( 1" )	57.4
35 ( 1-1/4" )	88.3
40 ( 1-1/2" )	133.6
55 ( 2" )	199

● Elbow 90°



PST.012

Size	Weight:g
18 ( 1/2" )	32.8
20 ( 3/4" )	45.5
25 ( 1" )	77.3
35 ( 1-1/4" )	120.2
40 ( 1-1/2" )	184.1
55 ( 2" )	298.1

● Equal tee



PST.013

Size	Weight:g
18 ( 1/2" )	43.8
20 ( 3/4" )	60.6
25 ( 1" )	101
35 ( 1-1/4" )	158.6
40 ( 1-1/2" )	243.5
55 ( 2" )	400.3

● Female threaded tee



PST.015

Size	Weight:g
18 ( 1/2" ) *1/2"	44.1
20 ( 3/4" ) *3/4"	66.2
25 ( 1" ) *1"	114.3

● Female threaded elbow



PST.016

Size	Weight:g
18 ( 1/2" ) *1/2"	32.5
20 ( 3/4" ) *3/4"	49.2
25 ( 1" ) *1"	87.5

● Female threaded coupling



PST.017

Size	Weight:g
18 ( 1/2" ) *1/2"	25
20 ( 3/4" ) *3/4"	37.2
25 ( 1" ) *1"	64.7

● Elbow 45°



PST.014

Size	Weight:g
18 ( 1/2" )	29.1
20 ( 3/4" )	40.2
25 ( 1" )	69.5

● Male threaded coupling



PST.018

Size	Weight:g
18 ( 1/2" ) *1/2"	20.4
20 ( 3/4" ) *3/4"	31.9
25 ( 1" ) *1"	49.3

● Female threaded coupling ( brass )



PST.019

Size	Weight:g
18 ( 1/2" ) *1/2"	32
20 ( 3/4" ) *3/4"	48.2
25 ( 1" ) *1"	82.5

● Female threaded elbow ( brass )



PST.020

Size	Weight:g
18 ( 1/2" ) *1/2"	39.3
20 ( 3/4" ) *3/4"	60.2
25 ( 1" ) *1"	106.5

● Female threaded tee ( brass )



PST.021

Size	Weight:g
18 ( 1/2" ) *1/2"	51
20 ( 3/4" ) *3/4"	76



CPVC PIPES & FITTINGS(ASTM D2846)

INTRODUCTION

Donsen CPVC pipes&fittings use high-quality imported raw materials and a complete range of products can provide the correct solutions for your different needs. CPVC pipes are designed in copper tube size from 1/2" to 2",with standard SDR-11 match the standards ASTM F442.The specification of those products,which covers requirements,test methods,and methods of marking for components made in one standard dimension ratio and intended for water service,can match the standard ASTM D2846.

FEATURES OF PRODUCT

- Convenient installation, high mechanical strength.
- Excellent heat resistance (up to 95°C) and small thermal conductivity.
- Strong corrosion resistance.
- Good flame retardant.

FIELDS OF APPLICATION

Used in cold and hot water transportation system of residence, hotel, hot spring and so on.





● Brass Threaded Female Adaptor

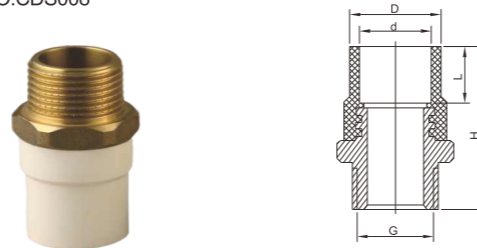
■ ITEM NO:CDS007



Size	D	d	H	L	G	Qty/ctn
1/2"	21.7	15.9	42.5	13	1/2"	280
3/4"	28.5	22.2	50	18	3/4"	230
1"	35	28.6	65	23	1"	140
1 1/4"	44	34.9	77	28.1	1 1/4"	50
1 1/2"	51.5	41.3	84	33.5	1 1/2"	40
2"	64.4	54	94	43.5	2"	25

● Brass Threaded Male Adaptor

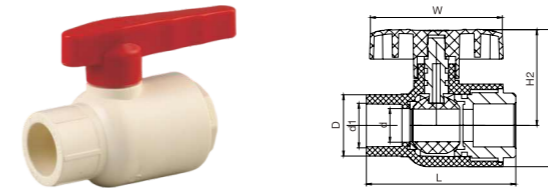
■ ITEM NO:CDS008



Size	D	d	H	L	G	Qty/ctn
1/2"	21.7	15.9	48	13	1/2"	260
3/4"	28.5	22.2	53	18	3/4"	210
1"	35	28.6	71	23	1"	130
1 1/4"	44	34.9	80	28.1	1 1/4"	50
1 1/2"	51.5	41.3	88	33.5	1 1/2"	40
2"	66	54	103	46.5	2"	22

● CPVC Single union compact ball valve

■ ITEM NO:CDS026



Size	D	d1	d	L	W	H1	H2	Qty/ctn
(15mm)1/2"	24	16.1	11.4	63.4	58	60	43	120
(20mm)3/4"	31.5	22.4	18	78.5	69.5	72.5	50	90
(25mm)1"	41.1	28.8	23.6	81.5	85	90	64.2	55
1 1/4"	48.8	35.2	33	106	93.4	101.9	68.9	32
1 1/2"	57	41.6	37	123.8	109.8	120.5	83	20
2"	68	54.4	43.5	152.7	124	134.7	91.7	12

● Bracket

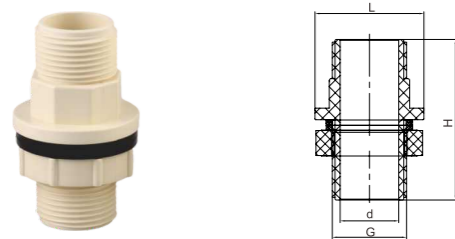
■ ITEM NO:CDS021



Size	R1	R2	R3	H	L1	L2	Qty/ctn
2"	26.5	29.1	31.7	34.4	83.6	99	4800
1 1/2"	20	22.5	25	28	68.6	84	3600
1 1/4"	16.8	18.9	21	23.4	54	72.2	2160
1"	14	15.6	17.2	19.4	43.2	55.6	600
3/4"	11	12.5	14	15.2	36.6	47.6	400
1/2"	7.8	9.2	10.6	12.6	27.6	39	300

● Cistern Fittings

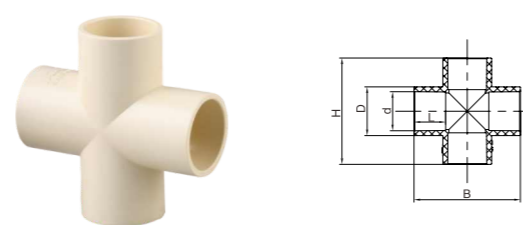
■ ITEM NO:CDS027



Size	L	d	G	H	Qty/ctn
1/2"	39	13.5	1/2"	67.3	480
3/4"	45.4	19.5	3/4"	75	300
1"	51.4	25.5	1"	84	360
1 1/4"	61	32.8	1 1/4"	90	200
1 1/2"	67	39	1 1/2"	98	128
2"	79	48	2"	100	90

● Cross

■ ITEM NO:CDS029



Size	D	d	L	B	H	Qty/ctn
1/2"	20.1	15.9	13	43.8	43.8	650
3/4"	26.8	22.2	18	62	62	360
1"	34.4	28.6	23	80	80	168

● CpvC Glue

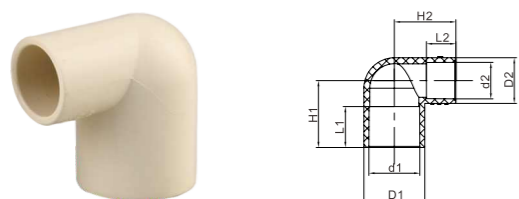
■ ITEM NO:CDS025



Weight (ml)	
80Z : 237ml	160Z : 480ml 320Z : 960ml
STANDARD:QB/T 2568-2002	

● Reducing Elbow

■ ITEM NO:CDS028



Size	D1	d1	L1	D2	d2	L2	H1	H2	Qty/ctn
3/4"x1/2"	26.8	22.2	18	20.1	15.9	13	29.4	27.1	

● 90° Elbow With Wall Plate

■ ITEM NO:CDS030



Size	D	d	L	H	Qty/ctn
1/2"	20.1	15.9	13	35	480
3/4"	26.8	22.2	18	46.8	300



## PE PIPES & FITTINGS(ISO 4427)

### INTRODUCTION

The DONSEN PE piping systems are mainly produced with the specialized resin for pipe, adhere to high-quality business philosophy and quality oriented, we introduced a modern quality management system to create three Quality Assurance Systems to ensure the safety and excellence of product quality.

### FEATURES OF PRODUCT

- **Non-toxic:**  
No heavy metal additives, no pollution or bacterial contamination.
- **Corrosion resistance:**  
Chemical resistance and electronic chemical corrosion.
- **Low installation costs:**  
Light weight, easy to install, can reduce installation costs.
- **High fluidity:**  
Smooth inner wall, small pressure loss, large volume.
- **Long Service Life:**  
Under normal working pressure, the service life is more than 50 years.

### FIELDS OF APPLICATION

Water supply in cities and countries.  
Drainage system in buildings.  
Industrial&chemical pipelines.  
Pipelines for ships.  
Submarine pipelines.

### PE PIPES



### PE100/SDR11/PN16

CODE	SIZE
PEA001	20x2.3
PEA002	25x2.3
PEA003	32x3.0
PEA004	40x3.7
PEA005	50x4.6
PEA006	63x5.8
PEA007	75x6.8
PEA008	90x8.2
PEA009	110x10

### PE100/SDR13.6/PN12.5

CODE	SIZE
PEA101	25x2.3
PEA102	32x2.4
PEA103	40x3.0
PEA104	50x3.7
PEA105	63x4.7
PEA106	75x5.6
PEA107	90x6.7
PEA108	110x8.1

### PE100/SDR17/PN10

CODE	SIZE
PEA201	32x2.3
PEA202	40x2.4
PEA203	50x3.0
PEA204	63x3.8
PEA205	75x4.5
PEA206	90x5.4
PEA207	110x6.6



Coupling

CODE	SIZE
PEB001	20
PEB002	25
PEB003	32
PEB004	40
PEB005	50
PEB006	63
PEB007	75
PEB008	90
PEB009	110



Elbow 90°

CODE	SIZE
PEE001	20
PEE002	25
PEE003	32
PEE004	40
PEE005	50
PEE006	63
PEE007	75
PEE008	90
PEE009	110



Equal tee

CODE	SIZE
PEC001	20
PEC002	25
PEC003	32
PEC004	40
PEC005	50
PEC006	63
PEC007	75
PEC008	90
PEC009	110



Elbow 45°

CODE	SIZE
PEE101	20
PEE102	25
PEE103	32
PEE104	40
PEE105	50
PEE106	63
PEE107	75
PEE108	90
PEE109	110



Female threaded coupling

CODE	SIZE
PEB201	20x1/2"
PEB202	20x3/4"
PEB203	25x1/2"
PEB204	25x3/4"
PEB205	32x1/2"
PEB206	32x3/4"
PEB207	32x1"
PEB208	40x11/4"
PEB209	50x11/2"
PEB210	63x2"



Male threaded coupling

CODE	SIZE
PEB301	20x1/2"
PEB302	20x3/4"
PEB303	25x1/2"
PEB304	25x3/4"
PEB305	32x1/2"
PEB306	32x3/4"
PEB307	32x1"
PEB308	40x11/4"
PEB309	50x11/2"
PEB310	63x2"



Female threaded elbow

CODE	SIZE
PEE201	20x1/2"
PEE202	20x3/4"
PEE203	25x1/2"
PEE204	25x3/4"
PEE205	32x1/2"
PEE206	32x3/4"
PEE207	32x1"
PEE208	40x11/4"
PEE209	50x11/2"
PEE210	63x2"



Male threaded elbow

CODE	SIZE
PEE401	20x1/2"
PEE402	20x3/4"
PEE403	25x1/2"
PEE404	25x3/4"
PEE405	32x1/2"
PEE406	32x3/4"
PEE407	32x1"
PEE408	40x11/4"
PEE409	50x11/2"
PEE410	63x2"





Female Threaded Tee

CODE	SIZE
PEC201	20x1/2"
PEC202	20x3/4"
PEC203	25x1/2"
PEC204	25x3/4"
PEC205	32x1/2"
PEC206	32x3/4"
PEC207	32x1"
PEC208	40x11/4"
PEC209	50x11/2"
PEC210	63x2"



Male Threaded Tee

CODE	SIZE
PEC301	20x1/2"
PEC302	20x3/4"
PEC303	25x1/2"
PEC304	25x3/4"
PEC305	32x1/2"
PEC306	32x3/4"
PEC307	32x1"
PEC308	40x11/4"
PEC309	50x11/2"
PEC310	63x2"



Reducer

CODE	SIZE
PEB101	25x20
PEB102	32x20
PEB103	32x25
PEB104	40x20
PEB105	40x25
PEB106	40x32
PEB107	50x20
PEB108	50x25
PEB109	50x32
PEB110	50x40
PEB111	63x25
PEB112	63x32
PEB113	63x40
PEB114	63x50
PEB115	75x32
PEB116	75x40
PEB117	75x50
PEB118	75x63
PEB119	90x40
PEB120	90x50
PEB121	90x63
PEB122	90x75
PEB123	110x50
PEB124	110x63



Reducing Tee

CODE	SIZE
PEC101	25x20x25
PEC102	32x20x32
PEC103	32x25x32
PEC104	40x20x40
PEC105	40x25x40
PEC106	40x32x40
PEC107	50x20x50
PEC108	50x25x50
PEC109	50x32x50
PEC110	50x40x50
PEC111	63x25x63
PEC112	63x32x63
PEC113	63x40x63
PEC114	63x50x63
PEC115	75x32x75
PEC116	75x40x75
PEC117	75x50x75
PEC118	75x63x75
PEC119	90x40x90
PEC120	90x50x90
PEC121	90x63x90
PEC122	90x75x90
PEC123	110x50x110
PEC124	110x63x110
PEC126	110x90x110



Female Threaded Union

CODE	SIZE
PEI001	20
PEI002	25
PEI003	32



Male Threaded Union

CODE	SIZE
PEI201	20
PEI202	25
PEI203	32



Flange

CODE	SIZE
PEP012	50
PEP013	63
PEP014	75



Flange Set

CODE	SIZE
PEK112	50
PEK113	63
PEK114	75



Cap

CODE	SIZE
PED001	20
PED002	25
PED003	32
PED004	40
PED005	50
PED006	63
PED007	75
PED008	90
PED009	110



Double Union Ball Cock

CODE	SIZE
PER001	20
PER002	25
PER003	32



Stop Valve

CODE	SIZE
PEH111	20
PEH112	25
PEH113	32
PEH114	40
PEH115	50
PEH116	63



Welding Device(luxurious)

CODE	SIZE
DSL011	20~32
DSL012	20~63
DSL013	75~110



Pipe Scissors (mm)

CODE	SIZE
DSM001	20~32
DSM002	20~40
DSM003	20~63

## Features

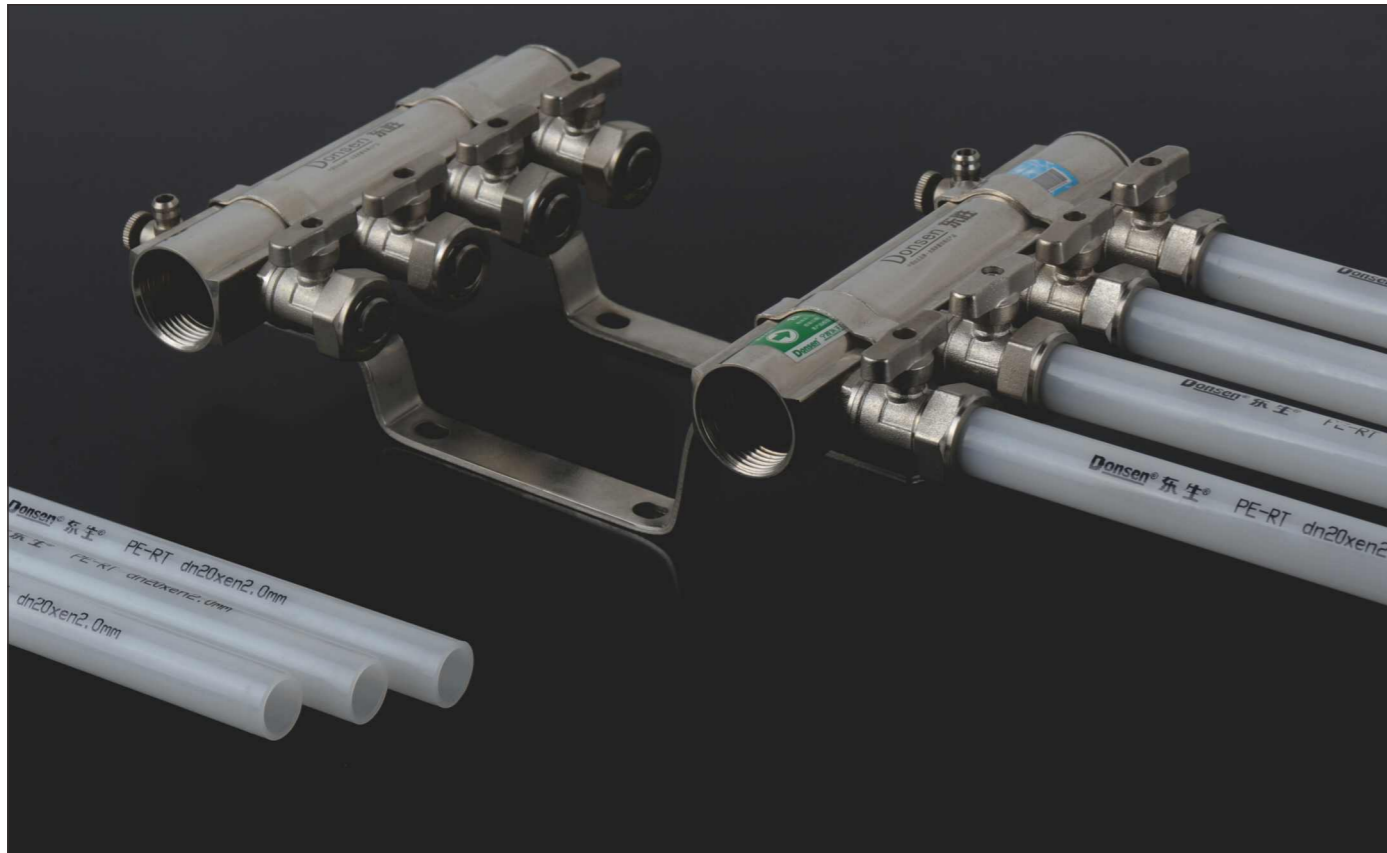
- **Material:**PE 100
- **Size:**full 20mm through 110mm availability
- **Pressure Rating:**1.6MPa,or other nominal pressures available upon request
- **Standard:**ISO 4427,GB/T 13663
- **Joint:**joining pipe and socket fusion joint fittings by socket fusion joint

## Advantages

- **Non-toxic:**no heavy metal additives,would not be covered with dirt or contaminated by bacterium
- **Corrosion Resistance:**resist chemical matters and electron chemical corrosion
- **Low Installation Costs:**light weight and ease of installation can reduce installation costs
- **High Flow Capacity:**smooth interior walls result in low pressure loss and high volume
- **Longevity:**more than 50 years under proper use

### Recommended technical parameter for Socket Fusion Joint

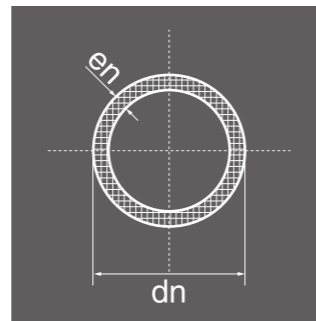
Pipe outer diameter (mm)	20	25	32	40	50	63	75	90	110
Heating time (second)	5	7	8	12	18	24	30	40	50
Inserting time (second)	4	4	6	6	6	8	10	10	15
Cooling time (second)	2	2	4	4	4	6	8	8	10



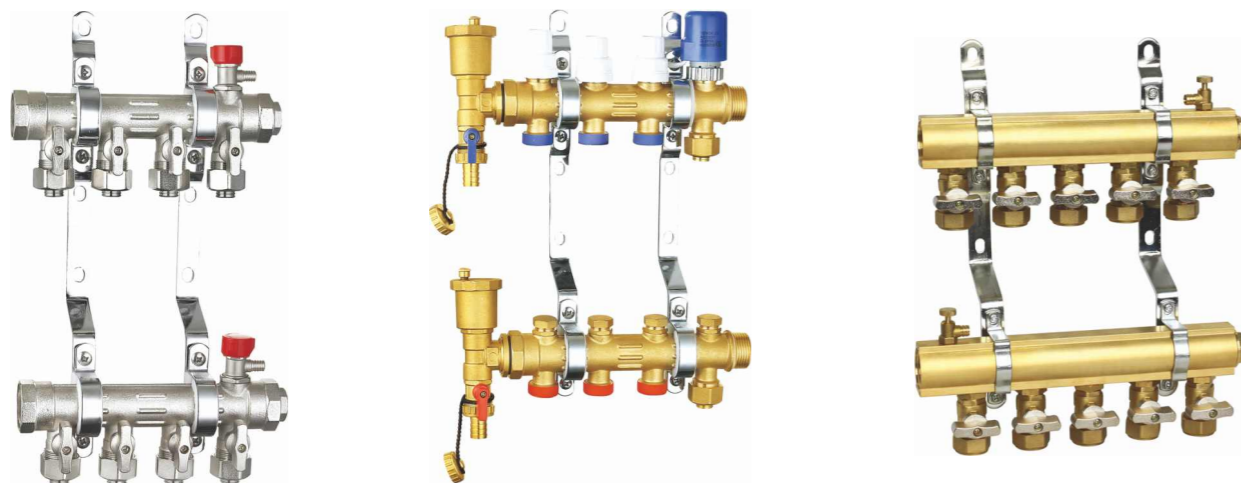
## PE-RT PIPE(ISO 22391)

### Description

Donsen PE-RT pipe has some good property such as easy processing,recyclable, easy melting,flexible and good heat conductivity. It is an ideal pipe for floor heating system.



### Manifold series



### Features

- Light in weight, convenience to transport and install .
- Easy installing being flexible character.
- Good ability in resistance of chemistry corrosion and long usage life.

### Advantages

- With low friction, the liquid transport ability is about 10% more than PE-X pipeline of the same size.
- The ability of resistance to impact is about twice of the PE-X pipeline.
- Good heat dispersion being high coefficient of heat conductivity, it can be used well for home floor heating, which can save lot of energy.



### PERT pipe

CODE	SIZE
DSA610	Φ16x2.0
DSA601	Φ20x2.0
DSA611	Φ20x2.3
DSA602	Φ25x2.3
DSA612	Φ25x2.8

### Specifications

Nominal Diameter (dn)	Average Diameter(mm)		Wall Thickness(mm)		
			S5	S4	S3.2
12	12.0	12.3	1.3	1.4	1.8
16	16.0	16.3	1.5	1.8	2.2
20	20.0	20.3	2.0	2.3	2.8
25	25.0	25.3	2.3	2.8	3.5
32	32.0	32.3	2.9	3.6	4.4

### Application

- Under-floor heating system.
- Plumbing system etc.



## HDPE SAME FLOOR DRAINAGE(ISO 8770)

### INTRODUCTION

Donsen HDPE same layer drainage system is made of high-quality materials and advanced technology, designed according to the principle of siphon full pipe pressure flow. The flow rate and pressure of rainwater in the pipeline can be effectively controlled and balanced.

### FEATURES OF PRODUCT

- Welding is firm, without leakage and has a long service life.
- Impact resistance, strong flexibility, and smooth inner wall.
- light weight, convenient construction, low cost.
- Corrosion resistance and wide ambient temperature resistance.

### FIELDS OF APPLICATION

Widely applicable to airports, train stations, sports centers, exhibition centers, large shopping malls, factories, warehouses and other places.

#### ● Hdpe Pipe

50*3.0	250*9.6
56*3.0	315*12.1
63*3.0	
75*3.0	
90*3.5	
110*4.2	
125*4.8	
160*6.2	
200*7.7	

#### ● Skew Tee

50/50	160/75
75/50	160/110
75/75	160/160
90/50	200/110
90/90	200/160
110/50	200/200
110/75	
110/110	
125/110	

#### ● 45°Y Branch

50/50	110/56	160/160	250/160
63/50	110/63	200/90	250/250
63/63	110/75	200/110	315/110
75/50	110/90	200/125	315/125
75/63	110/110	200/160	315/160
75/75	125/110	200/200	315/200
90/75	125/125	250/90	315/250
90/90	160/75	250/110	315/315
110/50	160/110	250/125	

#### ● Eddentric Reducer

50/40	90/75	160/90	250/160
56/50	110/50	160/110	250/200
63/50	110/63	160/125	315/160
63/56	110/75	200/90	315/200
75/50	110/90	200/110	315/250
75/56	125/75	200/125	
75/50	125/90	200/160	
90/50	125/110	250/125	
90/63	160/75	250/140	

#### ● 45°Elbow With Cap

50
75
110
160
200

#### ● Access Pipe With Screw Cap

50
63
75
90
110
125
160
200

#### ● Bottle Type Tee

110/50
110/75

#### ● Exension joint

50
75
90
110
125
160
200
250

#### ● Skew Cross

110/110
160/110

#### ● 90°elbow with cap

50
75
110
160
200

● 90° Elbow

	50	250
	56	315
	63	
	75	
	90	
	110	
	125	
	160	
	200	


● H Pipe /customizable/

	100/75/75
	110/110
	160/110
	160/160


● Clean Out

	50
	63
	75
	90
	110
	125
	160
	200

● Rainwater Head

	50
	63
	75
	90
	110
	125
	160

● 45° Elbow

	50	250
	56	315
	63	
	75	
	90	
	110	
	125	
	160	
	200	

● Cyclone

	110/110
	110/110/75
	110/110/75/75

● 4way Ball Fittings

	110/110/180°
	110/110/90°
	160/110/90°
	160/110/180°

● Fused Equal Branch

	50/50
	75/50
	75/75
	110/50
	110/75
	110/110
	160/110
	160/160

● P Type Trap With Door

	50
	75
	110

● S Type Trap With Door

	50
	75
	110

● Fused insection door

	50/50
	75/50
	75/75
	110/50
	110/75
	110/110
	160/110
	160/160


● Fused 90° Elbow

	50
	75
	110
	160

● Vent Cap

	50
	75
	110
	160

● Electric Melting Belt Of Anchor Pipe Clamp

	50	250
	56	315
	63	
	75	
	90	
	110	
	125	
	160	
	200	

● Fully Covered Steel Direct Row Floor Drain

	Ordinary type 50
	Machine type 50

● Double Side Full Steel Covered Luxury Floor Drain

	Ordinary type 50
	Machine type 50


● Ventilation Branch

	110
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● Fused 90°elbow with door

	50
	75
	110
	160

● Fused Sleeve

	50	250
	56	315
	63	
	75	
	90	
	110	
	125	
	160	
	200	

● Fused Eccentric Reducing

	75/50
	110/50
	110/75
	110/90
	160/110
	160/125



Donsen Brand PP-R Pipes Packing



POVOTE Brand PP-R Pipes Packing



Donsen Brand PP-R Fittings Packing



Donsen Brand PP-R Valves Packing



Gold Medal Brand PP Compression Fittings Packing



Gold Medal Brand PP-R Fittings Packing



Donsen Brand PP Compression Fittings Packing



Donsen Brand U-PVC Fittings Packing



POVOTE Brand PP-R Fittings Packing



Donsen Brand PERT Pine Packing