RED FIRE 2

RED FIRE SYSTEM

INSTALLATION GUIDELINES

WELDING TECHNOLOGY

SYSTEM GENERAL ADVANTAGES

CERTIFICATIONS

PRODUCT RANGE

- RED FIRE pipe
- RED FIRE Fittings

RED FIRE SYSTEM

RED FIRE PIPE AND FITTINGS



CHARACTERISTICS

- B-s1,d0
- SPRINKLERS
- FIRE PROTECTION NETWORK
- UV PROTECTION
- 100% RECYCLABLE
- ECO-FRIENDLY

PLASTIC PIPES CLASSIFICATION

SDR Standard dimension ratio – ratio between pipe's outside diameter and it's wall thickness.

$$SDR = \frac{d_e}{e}$$

S Series - dimensionless index, which is used for the calculation of the wall thickness of the pipe.

$$S = \frac{d_e - e}{2e}$$

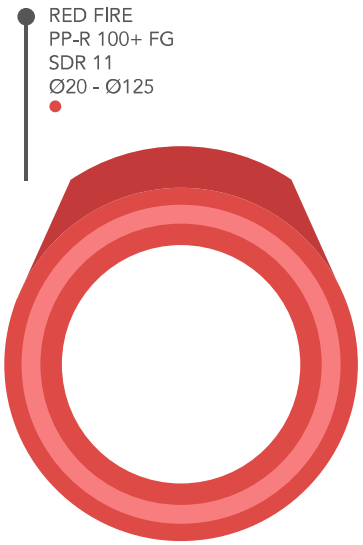
d_e Outside diameter of the pipe

e Wall thickness of the pipe

MATERIAL

PP	Polypropylene
PP-R	Polypropylene Random
PP-R 100	Polypropylene Random 100
FG	Fiberglass

PRODUCT RANGE OVERVIEW



RED FIRE PIPE AND FITTINGS										
DIAMETERS (mm)	20	25	32	40	50	63	75	90	110	125
RED FIRE PIPE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RED FIRE FITTINGS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



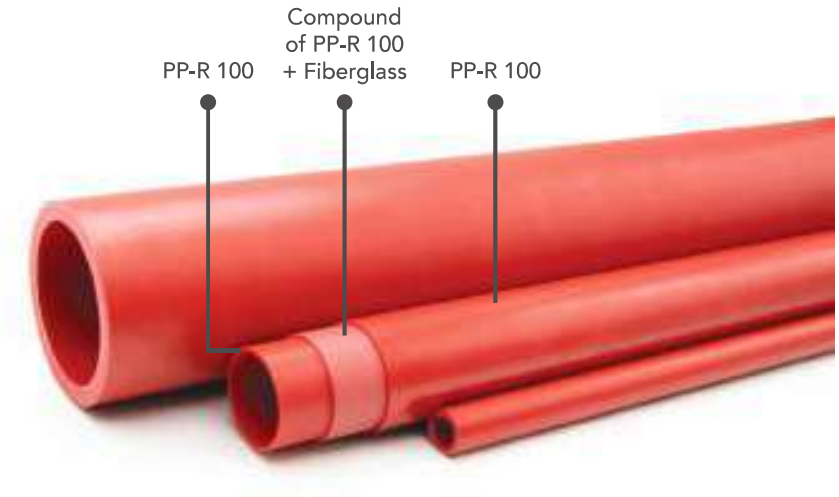
RED FIRE SYSTEM

HELIROMA RED FIRE is a piping system made of PP-R with fiberglass specially developed for fire suppression. The RED FIRE system is suitable for applications on fire hydrants and sprinkler systems.

RED FIRE pipe is manufactured using raw-material PP-R MRS 10.0 and fiberglass, SDR 11, Series 5.0 and based on a 3-layer structure: internal layer made of PP-R 100; middle layer made of PP-R 100 with fiberglass and external layer made of PP-R 100. All layers have fire retardant additive integration, which grants fire resistance to the pipe. RED FIRE is resistant to UV radiation. The product is supplied in red colour.

Fittings are manufactured using PP-R raw material with flame retardant additive.

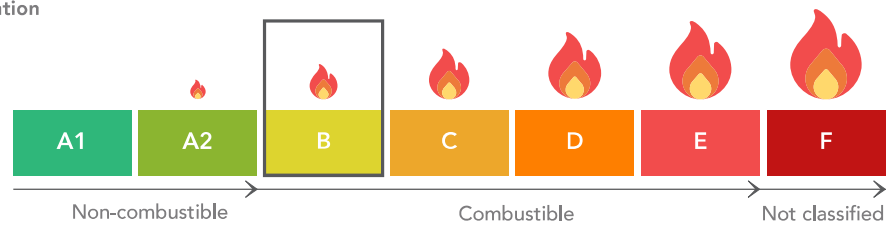
HELIROMA offers an wide range of pipes and fittings for fire Fire Protection Systems. RED FIRE is a reliable fire protection system which grants maximum security.



REACTION TO FIRE CLASSIFICATION: B-s1,d0

According to applicable standard EN 13501, it is rated B-s1,d0 for fire resistance class, which is the best fire resistance classification that a polymeric material can achieve.

General Classification



Additional classification



Smoke emission level: values range from s1 (absent/weak) to s3 (high)



Flaming Droplets and/or particles production: values range from d0 (absent) to d2 (high)

RED FIRE has a certificate of conformity for Sprinklers and BIE's by AENOR and a FM Approval (FM) for wet pipe automatic sprinkler systems in HC-1 Occupancies.

RED FIRE: RAW MATERIAL AND PIPE PROPERTIES		
PARAMETER	VALUE	STANDARD
PHYSICAL		
Density	897 kg/m^3	ISO 1133
MFI 230°C/2,16 kg	0,3 g/10min	ISO 1133
Roughness	0,007 mm	ISO 5436
Opacity	Yes	ISO 7686
MECHANICAL		
Tensile Modulus	850 MPa	ISO 527
Tensile Stress At Yield	25 MPa	ISO 527
MRS Classification	10.0 MPa	ISO 9080
THERMAL		
Vicat Temperature (A50)	132°C	ISO 306
Thermal expansion coefficient	0,035 mm/m°C	VDE 0304
Thermal Conductivity (at 20°C)	0,135 W/m K	DIN 52612
DSC Melting Point	139°C	DSC
Fire classification	B-s1,d0	EN13501

ADVANTAGES AND KEY FEATURES OF RED FIRE

- FIRE RESISTANCE CLASS B-s1, d0
- PREVENTS SPRINKLERS CLOGGING
- LOW MAINTENANCE
- LOW INSTALLATION COSTS
- EASY AND SAFE ASSEMBLY
- SHORT PROCESSING TIME
- LIGHTWEIGHT
- WELD-IN SADDLE
- LEAK-PROOF CONNECTION OF PIPE-FITTING
- NO SEALANTS OR ADHESIVES ARE REQUIRED FOR JOINS
- EXTREMELY RELIABLE
- LONG LIFE EXPECTANCY
- HIGH CHEMICAL RESISTANCE
- CORROSION RESISTANT
- PREVENTS LIMESCALE
- HIGH RESISTANCE TO ABRASION
- LOW ROUGHNESS
- LOW PRESSURE LOSS
- REDUCED THERMAL EXPANSION
- FEWER SUPPORTS NEEDED
- HIGH IMPACT RESISTANCE
- NATIONAL AND INTERNATIONAL CERTIFICATIONS



APPLICATION AREAS

FIRE HYDRANTS

RED FIRE can be installed in ordinary hazard (OH) and medium hazards areas (MH), according to standard UNE 671 and RD 513/2017.

Technical Building Code allows the use for standard 25 mm and 45 mm equipped fire hydrants on the following areas:

- Administrative and school buildings (area > 2000 m²);
- Hospitals;
- Commercial, area > 500 m²;
- Public Buildings, area > 500 m²;
- Parkings, area > 500 m² (excluding robotic parking)
- Residential buildings, area > 1000 m², or facilities designed to accommodate more than 50 people.

System can be used as long as there are at least 2 equipped fire hydrants for a minimum of 60 minutes and a nozzle pressure of 2 bar, in the previous application areas.



RED FIRE SYSTEM
Suitable for wet pipe installations, permanently charged with pressurized water.

SPRINKLERS

RED FIRE can only be installed with sprinklers for wet systems, as defined in EN 12845 for buildings classified as light risk (RL) and ordinary risk (OR1, OR2, OR3 and OR4).

In branched networks with sprinklers, shut-off valves or flow prevention mechanisms cannot be used downstream of the control station.

Light risk (LR)

LR includes activities with low fire loads, low combustibility and with no compartment larger than 126 m² with a fire resistance of at least 30 minutes. Examples: Schools, Offices, Penitentiary centres.

Ordinary risk (OR)

OR includes activities where combustible materials with a medium fire load and medium combustibility is processed or manufactured. Examples: Teaching centres, residential buildings, hospitals, shopping centres, public buildings, hotels, industrial buildings.



RISK LEVEL				
LOW RISK	LR	LR	✓	○
MEDIUM RISK	MR	MR 1	✓	○
		MR2	✓	○
		MR3	✓	○
		MR 4	✓	○
EXTRA PROCESS RISK	EPR	EPR 1	○	⊗
		EPR 2	○	⊗
		EPR 3	○	⊗
		EPR 4	○	⊗
		ESR 1	○	⊗
		ESR 2	○	⊗
EXTRA STORAGE RISK	ESR	ESR 3	○	⊗
		ESR 4	○	⊗



RED FIRE SYSTEM
Suitable for wet pipe installations, permanently charged with pressurized water.

PERMISSIBLE WORKING PRESSURE

Non potable water applications - closed systems

TEMPERATURE (°C)	PERMISSIBLE WORKING PRESSURE (bar)	
	LIFETIME (years)	RED FIRE PP-R 100 + FG SDR 11 S5.0
10	50	18,2
20		15,4
30		13,0
40		11,0
50		9,2

Safety factor - 1,25.

PIPE MARKING

The following sequence must be printed once per meter in all pipes.

Example:

HR HELIROMA RED FIRE AENOR CC 001/691 opaco (PP-R / PP-R +GF / PP-R) Ø 90x8.2 mm SDR 11 SERIE 5 CLASSE 1/6 2/4 4/6 bar DIN 8077 / 8078 GERMANY standards L DD/MM/YY HH:MM OP Made in Portugal

MARKED SYMBOL	DESCRIPTION
HR HELIROMA	Manufacturer's name
RED FIRE	Product trade mark
AENOR CC 001/691	Certificates, Approvals
Opaco	Opacity
PP-R /PP-R +GF/PP-R	Material
d_e x e	Nominal outside diameter x Nominal wall thickness
SDR 11	SDR of the pipe
SERIE 5	Pipe series S
1/6 2/4 4/6 bar	Application class combined with operating pressure
DIN 8077 / 8078	Standards
L	Machine number
DD/MM/YY HH:MM	Date of manufacture
OP	Production order number
Made in Portugal	Manufacturer information

INSTALLATION GUIDELINES

Please refer to the section **INSTALLATION GUIDELINES** under PP-R section on page 45 of this Technical Catalogue.



WELDING TECHNOLOGY

In order to obtain good installation results of RED FIRE systems, the following recommendations are considered important by HELIROMA and should be taken into consideration, as well as the welding technique and linear expansion.

Please refer to the section **WELDING TECHNOLOGY** under PP-R section on page 56 of this Technical Catalogue.



- Light weight when compared with conventional pipe options
- Raw material with fire retardant B-s1, d0
- Corrosion and limescale resistant
- Chemical - proof
- Durable material
- Low maintenance
- Requires less space for installation





SYSTEM GENERAL ADVANTAGES

- Safe, secure and reliable
- Heat resistant
- High environmental compatibility
- High versatility on network creation
- Superior flame and smoke resistance
- Fiberglass middle layer
- Quality control during production



CERTIFICATIONS

Fire protection requirements and standards for planning and construction of sprinkler systems vary locally. Thus, the application of HELIROMA RED FIRE in any case has to be agreed and coordinated with the local national fire protection authorities, the constructor and the building insurers.

The following national and international standards, regulations and listings are applicable to HELIROMA RED FIRE piping system:

STANDARDS:

EN 12845: Fixed firefighting systems - Automatic sprinkler systems - Design, installation and maintenance.

EN 671: Fixed firefighting systems - Hose systems.

EN 13501-1:2007: Fire classification of construction products and building elements.

EN 13238: Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates.

EN ISO 11925 - 2:2011: Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test.

EN ISO 15874: Plastics piping systems for hot and cold water installations - Polypropylene (PP).

DIN 8077: Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT - Dimensions.

DIN 8078: Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT - General quality requirements and testing.

RP 01.84: Plastic Piping systems of polypropylene random or polypropylene random with modified crystallinity and glass fiber (GF) for firefighting installations.

NFPA 13: Standard for the Installation of Sprinkler Systems.

FACTORY MUTUAL APPROVALS 1635: Plastic Pipe and Fittings for Wet Automatic Sprinkler Systems in HC-1 Occupancies.

AENOR Producto Certificado

FM APPROVED

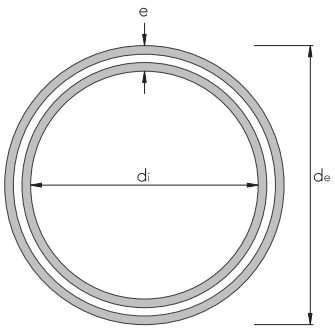
RED FIRE | PRODUCT RANGE

- RED FIRE PIPE
- RED FIRE FITTINGS

HELIROMA

RED FIRE PIPE





CHARACTERISTICS

COLOUR	Red
SUPPLIED IN	4 m bars
TYPE OF WELDING	Socket | Butt Welding
SERIES	5.0
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84

REFERENCE	d_n NOMINAL DIAMETER	d_e OUTSIDE DIAMETER		e THICKNESS		d_i INSIDE DIAMETER		WEIGHT	MAX WEIGHT W/ WATER *
		Min.	Max.	Min.	Max.	Min.	Max.		
	(mm)							(kg/m)	
P-14020-RF	20 SDR 7,4	20,0	20,3	2,8	3,2	13,6	14,7	0,153	0,323
P-14025-RF	25 SDR 7,4	25,0	25,3	3,5	4,0	17,0	18,3	0,246	0,509
P-14032-RF	32	32,0	32,3	2,9	3,3	25,4	26,5	0,278	0,830
P-14040-RF	40	40,0	40,4	3,7	4,2	31,6	33,0	0,422	1,277
P-14050-RF	50	50,0	50,5	4,6	5,2	39,6	41,3	0,644	1,984
P-14063-RF	63	63,0	63,6	5,8	6,5	50,0	52,0	1,034	3,158
P-14075-RF	75	75,0	75,7	6,8	7,6	59,8	62,1	1,500	4,529
P-14090-RF	90	90,0	90,9	8,2	9,2	71,6	74,5	2,200	6,559
P-140110-RF	110	110,0	111,0	10,0	11,1	87,8	91,0	3,122	9,626
P-140125-RF	125	125,0	126,2	11,4	12,7	99,6	103,4	4,020	12,417

* Water max. weight calculated with p_{H_2O} at 4°C;

RED FIRE FITTINGS

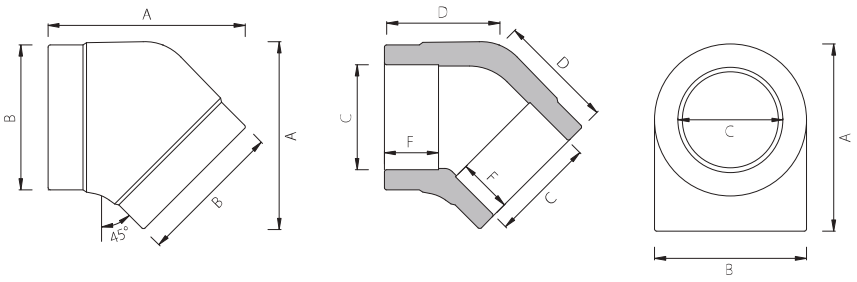
HELIROMA

ELBOW 45°



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



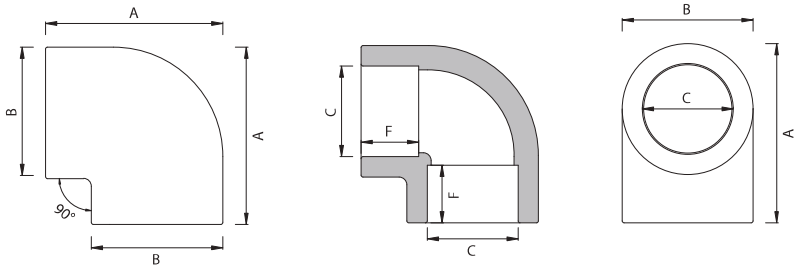
REFERENCE	DIAMETER	A	B	C min	D	F	WEIGHT	BAG	BOX
	(mm)						(kg)	(un)	
P-CT202020-RF	20	48	27	19,2	26	15	0,013	50	400
P-CT202025-RF	25	55	35	24,2	29	16	0,019	25	250
P-CT202032-RF	32	67	42	31,1	36	18	0,036	10	120
P-202040-RF	40	70	52	39	40	21	0,057	5	80
P-202050-RF	50	85	65	48,9	44	24	0,092	4	40
P-202063-RF	63	97	82	61,9	53	28	0,172	2	20
P-202075-RF	75	130	101	73,7	68	31	0,328	2	12
P-202090-RF	90	150	122	88,6	79	37	0,529	1	6
P-2020110-RF	110	179	144	108,4	92	42	0,841	1	4
P-2020125-RF	125	209	162	122,4	110	40	1,380	1	4

ELBOW 90°



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



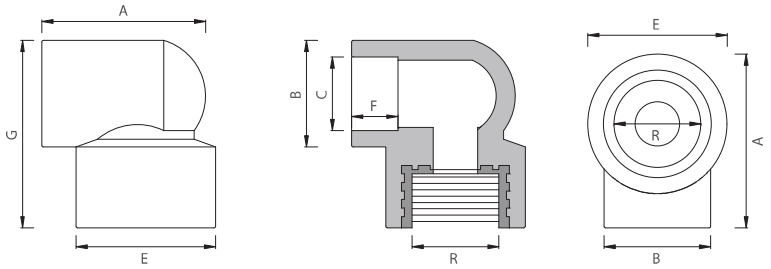
REFERENCE	DIAMETER	A	B	C min	F	WEIGHT	BAG	BOX
			(mm)			(kg)	(un)	
P-CT206020-RF	20	39,1	27,2	19,2	15	0,014	40	320
P-CT206025-RF	25	44,9	32,8	24,2	16	0,023	20	200
P-CT206032-RF	32	57,3	42,6	31,1	18	0,044	10	100
P-206040-RF	40	68,0	53,0	39,0	21	0,075	5	50
P-206050-RF	50	84,0	68,0	48,9	24	0,131	4	32
P-206063-RF	63	104,0	85,0	61,9	28	0,271	2	16
P-206075-RF	75	120,0	100,0	73,7	30	0,432	1	11
P-206090-RF	90	145,0	121,0	88,6	33	0,732	1	6
P-2060110-RF	110	168,0	131,0	108,4	37	1,143	1	4
P-2060125-RF	125	191,0	155,0	122,4	40	1,734	1	2

FEMALE ELBOW



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-RCT 125 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



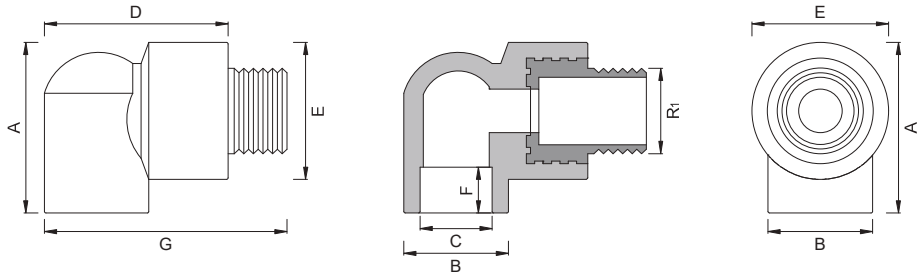
REFERENCE	DIAMETER	A	B	C max	E	F	G	R	WEIGHT	BAG	BOX
	(mm x in)	(mm)						(in)	(kg)	(un)	
P-CT208020-RF	20x1/2"	45	27	19,5	35	15	45	1/2"	0,045	20	200
P-CT208026-RF	25x1/2"	45	33	24,5	35	16	47	1/2"	0,049	10	100
P-CT208025-RF	25x3/4"	52	33	24,5	41	16	49	3/4"	0,059	10	100
P-CT208033-RF	32x3/4"	57	41	31,5	42	18	60	3/4"	0,076	5	50
P-CT208032-RF	32x1"	60	41	31,5	52	18	63	1"	0,111	5	50

MALE ELBOW



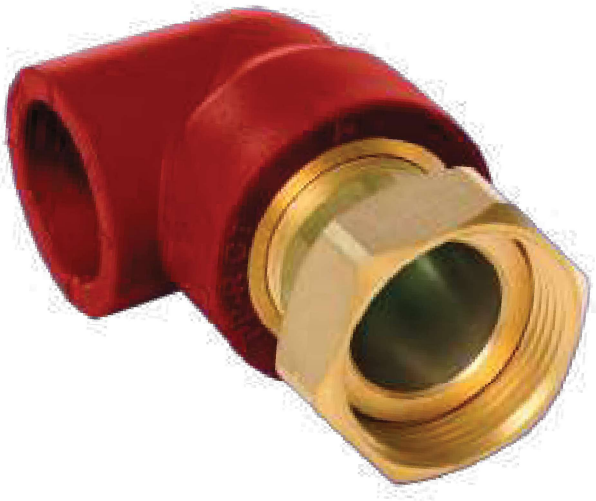
CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-RCT 125 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



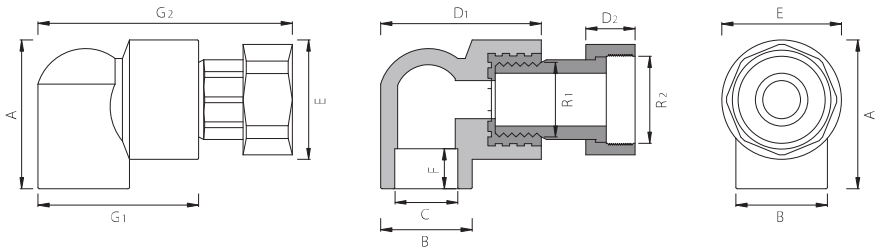
REFERENCE	DIAMETER	A	B	C max	D	E	F	G	R_1	WEIGHT	BAG	BOX
	(mm x in)	(mm)							(in)	(kg)	(un)	
P-CT209020-RF	20x1/2"	45	27	19,5	44	35	15	56	1/2"	0,054	20	140
P-CT209026-RF	25x1/2"	45	33	24,5	47	35	16	59	1/2"	0,082	10	100
P-CT209025-RF	25x3/4"	50	33	24,5	52	41	16	67	3/4"	0,046	10	100
P-CT209033-RF	32x3/4"	57	42	31,5	60	42	18	74	3/4"	0,098	5	50
P-CT209032-RF	32x1"	60	43	31,5	63	52	18	78	1"	0,129	5	50

LOOSE NUT ELBOW



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-RCT 125 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



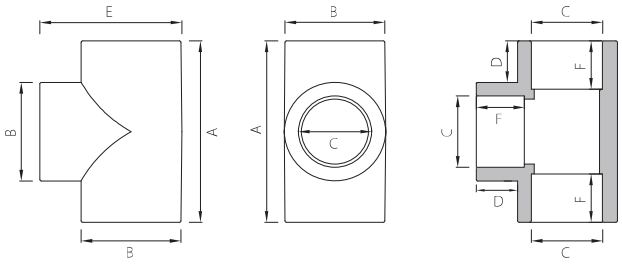
REFERENCE	DIAMETER	A	B	C max	D_1	D_2	E	F	G_1	G_2	R_1	R_2	WEIGHT	BAG	BOX
	(mm x in)	(mm)									(in)		(kg)	(un)	
P-CT208020-RFL	20x3/4"	45	27	19,5	45	14	35	15	44	69	1/2"	3/4"	0,108	10	100
P-CT208026-RFL	25x3/4"	45	33	24,5	47	14	35	16	53	90	1/2"	3/4"	0,112	10	75
P-CT208025-RFL	25x1"	52	33	24,5	49	16	41	16	51	79	3/4"	1"	0,161	10	75
P-CT208033-RFL	32x1"	57	41	31,5	63	16	42	18	66	98	3/4"	1"	0,178	5	50
P-CT208032-RFL	32x1 1/4"	60	41	31,5	60	19	52	18	66	95	1"	1 1/4"	0,276	5	50

TEE



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



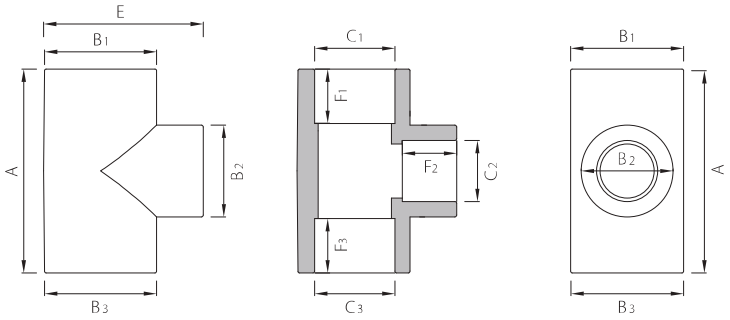
REFERENCE	DIAMETER	A	B	C min	D	E	F	WEIGHT	BAG	BOX
	(mm)							(kg)	(un)	
P-CT230020-RF	20	51	27	19,2	12	39	15	0,018	25	250
P-CT230025-RF	25	60	33	24,2	14	46	16	0,028	15	150
P-CT230032-RF	32	73	43	31,1	16	43	18	0,056	10	80
P-230040-RF	40	83	53	39,0	18	76	21	0,100	5	50
P-230050-RF	50	100	66	48,9	19	98	24	0,178	2	30
P-230063-RF	63	124	85	61,9	19	103	28	0,351	2	12
P-230075-RF	75	141	101	73,7	21	129	31	0,558	1	9
P-230090-RF	90	165	120	88,6	23	145	37	0,882	1	6
P-2300110-RF	110	201	140	108,4	28	169	42	1,534	1	4
P-2300125-RF	125	223	163	122,4	30	180	40	2,202	1	2

REDUCED TEE



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



REFERENCE	DIAMETER	A	B_1	B_2	B_3	C_1	C_2	C_3	F_1	F_2	F_3	E	WEIGHT	BAG	BOX
						(mm)							(kg)	(un)	
P-CT231020-RF	25x20x20	53	33	24	14	27	19	12	16	15	15	44	0,022	20	140
P-CT231025-RF	25x20x25	54	33	24	14	27	19	12	16	16	15	45	0,025	20	140
P-CT231023-RF	25x25x20	56	33	24	13	33	24	14	16	15	16	46	0,024	20	140
P-231032-RF	32x20x32	60	43	31	15	29	19	11	18	15	18	55	0,046	10	80
P-231035-RF	32x25x25	64	42	31	15	35	24	12	18	16	18	54	0,045	10	80
P-CT231033-RF	32x25x32	64	42	31	15	34	24	12	18	16	16	54	0,047	10	80
P-231041-RF	40x20x40	61	54	39	16	29	19	10	21	15	21	64	0,063	5	50
P-231042-RF	40x25x40	65	54	39	15	34	24	10	21	16	21	64	0,070	5	50
P-231043-RF	40x32x40	77	54	39	17	43	31	13	21	18	21	67	0,086	5	50
P-231052-RF	50x25x50	70	67	49	18	34	24	10	24	16	24	76	0,109	4	32
P-231053-RF	50x32x50	80	67	49	19	42	31	11	24	18	24	76	0,127	4	32

CONTINUED >



CONTINUED >

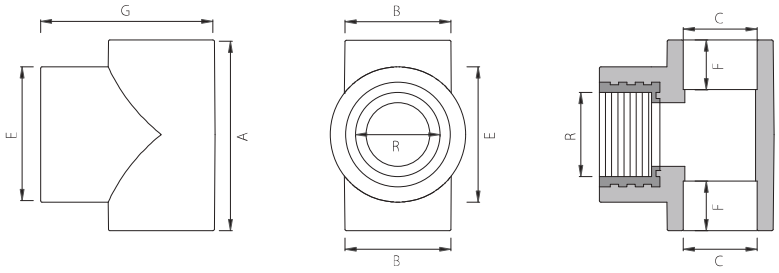
REFERENCE	DIAMETER	A	B_1	B_2	B_3	C_1	C_2	C_3	F_1	F_2	F_3	E	WEIGHT	BAG	BOX
						(mm)							(kg)	(un)	
P-231054-RF	50x40x50	91	67	49	19	54	39	14	24	21	24	81	0,147	4	32
P-231062-RF	63x25x63	83	85	62	24	34	24	10	28	16	28	94	0,194	2	12
P-231063-RF	63x32x63	92	85	62	25	43	31	10	28	18	28	94	0,220	2	12
P-231064-RF	63x40x63	98	84	62	21	54	39	10	28	21	28	94	0,235	2	12
P-231065-RF	63x50x63	111	85	62	23	67	49	15	28	24	28	111	0,291	2	12
P-231074-RF	75x40x75	107	101	74	27	54	39	10	31	21	31	109	0,365	1	8
P-231075-RF	75x50x75	117	101	74	25	67	49	12	31	24	31	111	0,403	1	8
P-231076-RF	75x63x75	131	101	74	23	86	62	17	31	28	31	117	0,481	1	8
P-231097-RF	90x75x90	155	120	89	27	102	74	18	37	31	37	138	0,763	1	4
P-2310110-RF	110x90x110	182	144	108	31	121	89	23	42	37	42	166	1,218	1	2
P-2310125-RF	125x110x125	222	163	122	30	162	108	30	40	42	40	193	2,317	1	1

FEMALE TEE



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-RCT 125 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



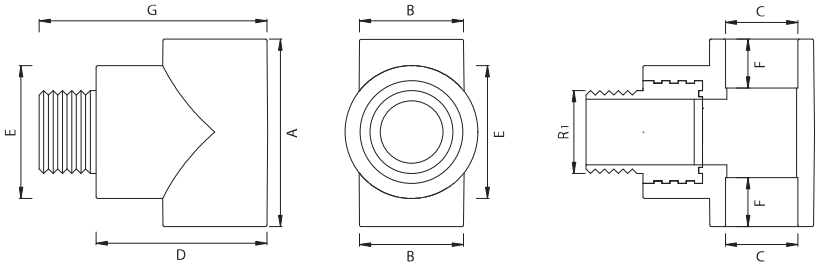
REFERENCE	DIAMETER	A	B	C max	E	F	G	R	WEIGHT	BAG	BOX
	(mm x in)	(mm)						(in)	(kg)	(un)	
P-CT232020-RF	20x1/2"	55	27	19,5	34	15	44	1/2"	0,049	20	160
P-CT232026-RF	25x1/2"	57	33	24,5	35	16	47	1/2"	0,053	10	100
P-CT232025-RF	25x3/4"	58	33	24,5	41	16	52	3/4"	0,065	10	100
P-CT232033-RF	32x3/4"	69	42	31,5	42	18	60	3/4"	0,082	5	50
P-CT232032-RF	32x1"	69	44	31,5	52	18	63	1"	0,112	5	50

MALE TEE



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-RCT 125 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



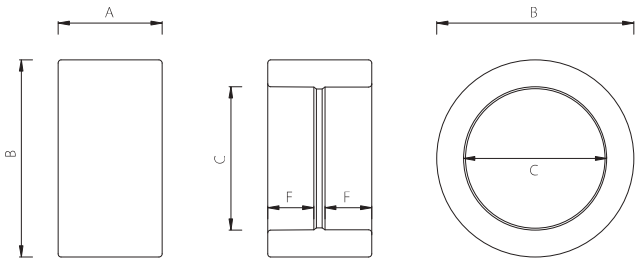
REFERENCE	DIAMETER	A	B	C max	D	E	F	G	R_1	WEIGHT	BAG	BOX
	(mm x in)	(mm)							(in)	(kg)	(un)	
P-CT233020-RF	20x1/2"	55	27	19,5	44	35	15	56	1/2"	0,058	10	100
P-CT233026-RF	25x1/2"	57	33	24,5	47	35	16	59	1/2"	0,063	10	100
P-CT233025-RF	25x3/4"	58	33	24,5	52	42	16	67	3/4"	0,086	10	100
P-CT233033-RF	32x3/4"	69	42	31,5	60	42	16	59	3/4"	0,104	10	100
P-CT233032-RF	32x1"	69	44	31,5	63	52	18	77	1"	0,132	5	50

UNION



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



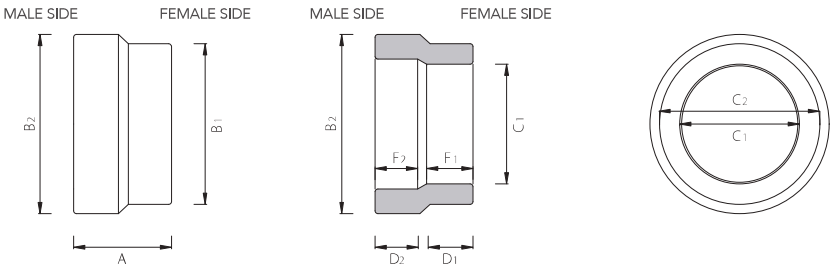
REFERENCE	DIAMETER	A	B	C min	F	WEIGHT	BAG	BOX
	(mm)					(kg)	(un)	
P-CT200020-RF	20	31	27	19,2	15	0,090	50	500
P-CT200025-RF	25	34	33	24,2	16	0,014	40	320
P-CT200032-RF	32	39	42	31,1	18	0,025	20	200
P-200040-RF	40	43	54	39,0	21	0,046	10	100
P-200050-RF	50	49	66	48,9	24	0,077	5	60
P-200063-RF	63	58	85	61,9	28	0,142	4	32
P-200075-RF	75	65	101	73,7	31	0,223	2	24
P-200090-RF	90	75	120	88,6	37	0,350	1	13
P-2000110-RF	110	88	144	108,4	42	0,561	1	10
P-2000125-RF	125	90	162	122,4	40	0,702	1	6

REDUCER UNION



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125
TYPE OF WELDING	≤ 125 - welding male/female
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



REFERENCE	DIAMETER	A	MALE SIDE				FEMALE SIDE				WEIGHT	BAG	BOX
			B_2	C_2	D_2	F_2	B_1	C_1	D_1	F_1			
			(mm)								(kg)	(un)	
P-CT238025-RF	25x20	34	25	17	16	19	27	19	16	15	0,011	50	100
P-CT238032-RF	32x20	37	32	24	19	16	28	19	17	15	0,016	30	100
P-CT238033-RF	32x25	34	32	24	21	18	32	24	13	16	0,014	30	100
P-238040-RF	40x20	41	40	27	22	23	29	19	15	15	0,030	20	100
P-238041-RF	40x25	43	40	29	20	20	34	24	17	16	0,028	20	100
P-238042-RF	40x32	47	40	29	29	21	42	31	18	18	0,035	20	100
P-238051-RF	50x20	45	50	37	23	18	28	19	15	15	0,035	10	100
P-238055-RF	50x25	47	50	37	23	19	34	24	16	16	0,036	10	100
P-238052-RF	50x32	54	51	36	24	26	42	32	20	18	0,051	10	100
P-238050-RF	50x40	52	51	37	31	24	52	39	20	21	0,053	10	100

CONTINUED >



CONTINUED >

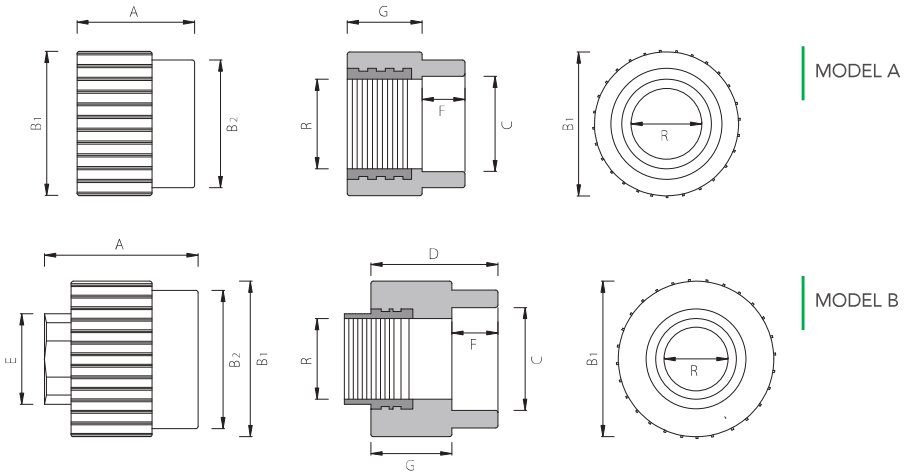
REFERENCE	DIAMETER	A	FEMALE SIDE				MALE SIDE				WEIGHT	BAG	BOX
			B_1	C_1	D_1	F_1	B_2	C_2	D_2	F_2			
	(mm)										(kg)	(un)	
P-238062-RF	63x25	53	64	44	22	23	34	24	19	16	0,058	5	100
P-238065-RF	63x32	50	64	47	27	21	42	31	18	18	0,058	5	100
P-238063-RF	63x40	48	64	47	25	20	53	39	18	21	0,059	5	100
P-238067-RF	63x50	53	64	43	29	28	66	49	24	24	0,089	5	100
P-238075-RF	75x50	60	76	55	31	24	66	49	24	24	0,107	4	100
P-238076-RF	75x63	70	76	50	34	32	84	62	28	28	0,172	4	100
P-238096-RF	90x63	66	91	65	35	27	83	62	28	28	0,171	2	100
P-238097-RF	90x75	80	91	64	37	34	99	73	30	31	0,251	2	100
P-2380116-RF	110x63	72	110	80	42	28	83	62	27	28	0,271	1	100
P-2380117-RF	110x75	77	110	80	42	30	98	74	31	31	0,284	1	100
P-2380110-RF	110x90	93	110	75	44	38	118	88	35	33	0,417	1	100
P-2380125-RF	125x110	114	125	85	62	72	141	109	47	37	0,745	1	100

FEMALE UNION



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



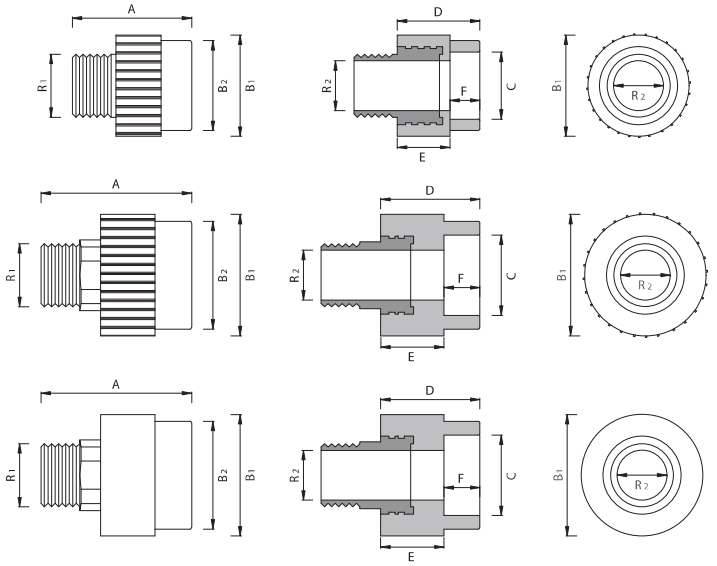
REFERENCE	DIAMETER	A	B_1	B_2	C min	D	E	F	G	R	WEIGHT	MODEL	BAG	BOX
	(mm x in)	(mm)								(in)	(kg)		(un)	
P-CT234020-RF	20x1/2"	35	33	27	19,2	-	-	15	21	1/2"	0,038	A	20	200
P-CT234026-RF	25x1/2"	35	36	33	24,2	-	-	16	21	1/2"	0,041	A	10	150
P-CT234025-RF	25x3/4"	39	40	33	24,2	-	-	16	21	3/4"	0,049	A	10	150
P-CT234033-RF	32x3/4"	41	42	43	31,1	-	-	19	26	3/4"	0,054	A	10	100
P-CT234032-RF	32x1"	47	53	43	31,1	-	-	19	26	1"	0,088	A	10	100
P-234040-RF	40x1 1/4"	57	68	54	39,0	48	48	21	28	1 1/4"	0,251	B	5	50
P-234050-RF	50x1 1/2"	62	80	66	48,9	53	54	24	32	1 1/2"	0,378	B	4	36
P-234063-RF	63x2"	76	94	84	61,9	60	65	28	32	2"	0,569	B	2	20
P-234075-RF	75x2 1/2"	85	114	100	73,7	63	81	31	32	2 1/2"	0,945	B	1	15
P-234090-RF	90x3"	92	128	119	88,6	71	94	33	34	3"	1,241	B	1	16
P-2340110-RF	110x4"	104	164	144	108,4	83	119	37	41	4"	2,011	B	1	6

MALE UNION



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



MODEL A

MODEL B

MODEL C

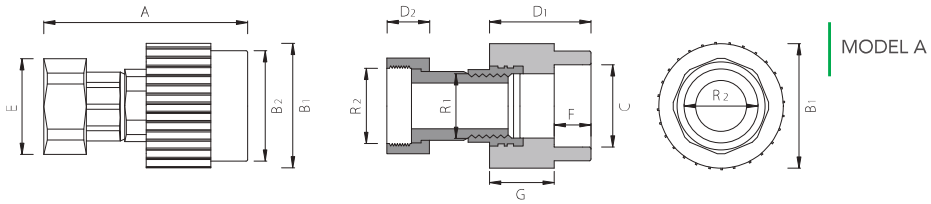
REFERENCE	DIAMETER	A	B_1	B_2	C min	D	E	F	R_1	R_2	WEIGHT	MODEL	BAG	BOX
	(mm x in)				(mm)				(in)	(mm)	(kg)		(un)	
P-CT325020-RF	20x1/2"	47	33	27	19,2	33	15	21	1/2"	16	0,047	A	20	200
P-CT325026-RF	25x1/2"	48	36	33	24,2	34	16	21	1/2"	16	0,051	A	10	150
P-CT325025-RF	25x3/4"	53	40	33	24,2	36	16	21	3/4"	20	0,071	A	10	150
P-CT325033-RF	32x3/4"	55	42	43	31,1	39	18	26	3/4"	20	0,076	A	10	100
P-CT325032-RF	32x1"	61	51	43	31,1	41	18	26	1"	26	0,108	A	10	100
P-325040-RF	40x1 1/4"	77	68	54	39,0	48	21	28	1 1/4"	35	0,296	B	4	40
P-325050-RF	50x1 1/2"	90	79	66	48,9	54	24	32	1 1/2"	40	0,537	B	4	32
P-325063-RF	63x2"	98	95	84	61,9	60	28	32	2"	52	0,797	C	2	16
P-325075-RF	75x2 1/2"	109	112	100	73,7	64	31	32	2 1/2"	66	1,208	C	1	12
P-325090-RF	90x3"	121	127	119	88,6	67	37	34	3"	78	1,65	C	1	8
P-3250110-RF	110x4"	137	166	144	108,4	78	42	41	4"	103	2,529	C	1	3

LOOSE NUT UNION

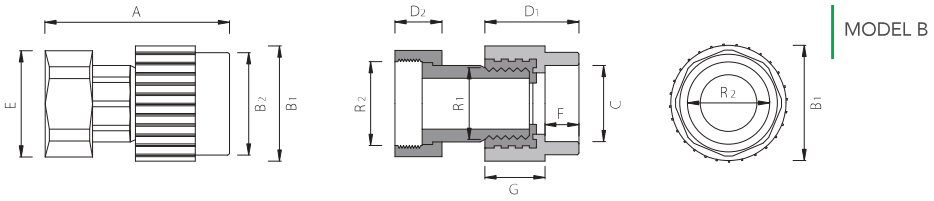


CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | PP-RCT 125 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



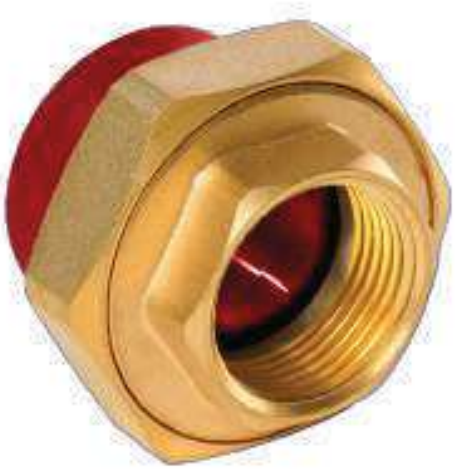
MODEL A



MODEL B

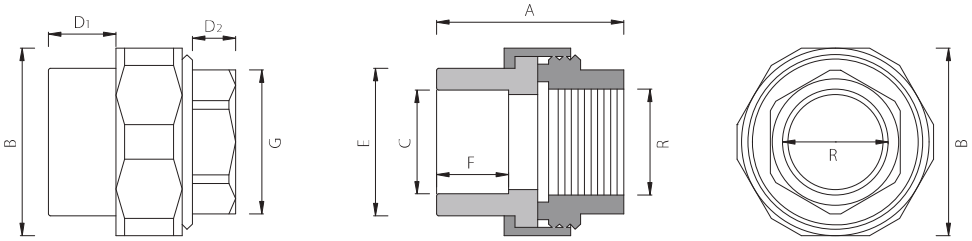
REFERENCE	DIAMETER	A	B_1	B_2	C min	D_1	D_2	E	F	G	R_1	R_2	WEIGHT	MODEL	BAG	BOX
	(mm x in)	(mm)									(in)		(kg)		(un)	
P-CT234020-RFL	20x3/4"	67	33	27	19,2	35	13	32	15	21	1/2"	3/4"	0,113	A	10	100
P-CT234026-RFL	25x3/4"	67	36	33	24,2	35	13	32	16	21	1/2"	3/4"	0,115	A	10	100
P-CT234025-RFL	25x1"	72	40	33	24,2	39	16	41	16	21	3/4"	1"	0,211	A	10	100
P-CT234033-RFL	32x1"	81	53	43	31,1	47	16	51	19	26	3/4"	1"	0,210	A	5	60
P-CT234032-RFL	32x1 1/4"	81	42	43	31,1	41	17	51	19	26	1"	1 1/4"	0,389	A	5	60
P-234040-RFL	40X1 1/2"	94	68	54	39	57	18	58	21	28	1 1/4"	1 1/2"	0,253	B	3	30
P-234050-RFL	50x2"	107	80	66	48,9	62	22	71	24	32	1 1/2"	2"	1,013	B	2	24
P-234063-RFL	63x2 1/2"	123	94	84	61,9	76	26	89	28	32	2"	2 1/2"	1,241	B	1	12
P-234075-RFL	75x3"	135	114	100	73,7	85	28	101	31	32	2 1/2"	3"	2,456	B	1	9

BRASS FEMALE UNION



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



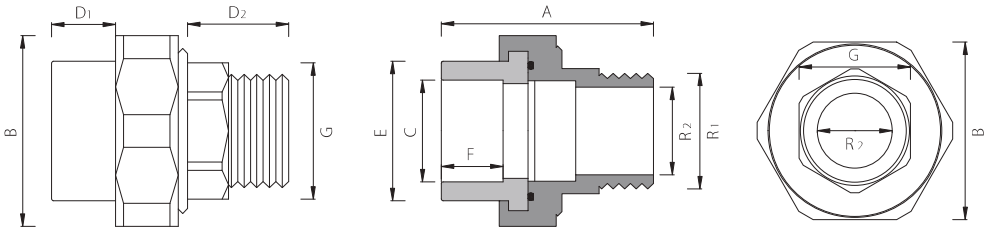
REFERENCE	DIAMETER	A	B	C max	D_1	D_2	E	F	G	R	WEIGHT	BAG	BOX
	(mm x in)	(mm)								(in)	(kg)	(un)	
P-200020-RFDH	20x1/2"	39	39	19,5	15	10	28	15	24	1/2"	0,095	10	80
P-200025-RFDH	25x3/4"	41	50	24,5	16	10	33	16	30	3/4"	0,119	10	60
P-200032-RFDH	32x1"	45	65	31,5	18	11	43	18	37	1"	0,194	5	30
P-200040-RFDH	40x1 1/4"	50	63	39,4	21	12	51	21	34	1 1/4"	0,229	2	16
P-200050-RFDH	50x1 1/2"	57	80	49,4	25	12	66	24	52	1 1/2"	0,975	2	12

BRASS MALE UNION



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



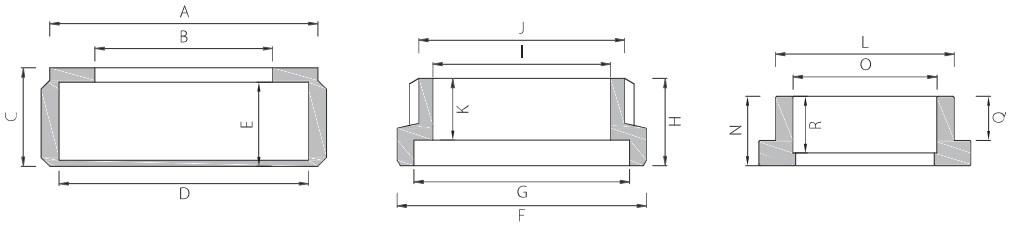
REFERENCE	DIAMETER	A	B	C max	D_1	D_2	E	F	G	R	WEIGHT	BAG	BOX
	(mm x in)	(mm)								(in)	(kg)	(un)	
P-200020-RFDM	20x1/2"	50	39	19,5	15	21	28	15	22	1/2"	0,103	10	80
P-200025-RFDM	25x3/4"	51	45	24,5	16	21	33	16	37	3/4"	0,133	10	60
P-200032-RFDM	32x1"	58	55	31,5	18	23	43	18	34	1"	0,210	5	30
P-200040-RFDM	40x1 1/4"	62	63	39,4	20	23	51	21	42	1 1/4"	0,260	2	16
P-200050-RFDM	50x1 1/2"	71	80	49,4	24	25	66	24	31	1 1/2"	0,463	2	12

UNIVERSAL UNION



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



REFERENCE	DN	A	B	C	D	E	F	G	H	I	J	K	L	N	O min	Q	R	WG	BAG	BOX
	(mm)																	(kg)	(un)	
P-200020-RFD	20	43,0	28,5	15,8	15	13,8	11	2,0	13,5	2,3	M40x1,5	34,6	28	21,5	19,2	16,6	14,6	0,113	10	100
P-200025-RFD	25	49,5	33,7	15,9	16	13,9	10,6	2,0	13,5	2,4	M46x1,5	39,8	33	23,2	24,2	18	16,1	0,145	10	70
P-200032-RFD	32	61,0	43,6	17	19	15	12	2,0	14,4	2,6	M57x2,0	50,4	43	25,9	31,1	21,2	18,5	0,234	5	35
P-200040-RFD	40	67,5	51,2	20,3	21	17,8	13,8	2,5	17,3	3,0	M63x2,0	56,5	51	29,5	39,0	22,9	20,5	0,307	2	24
P-200050-RFD	50	84,0	66,6	24,5	24	22	16,7	2,5	21,5	3,0	M80x2,0	73	66	35,5	48,9	27	23,8	0,519	2	12
200063-RFD	63	97,8	78,8	25,1	28	21,9	-	84,9	21	78,9	84,7	13,5	72	39,1	61,9	30,4	23,4	0,685	2	10

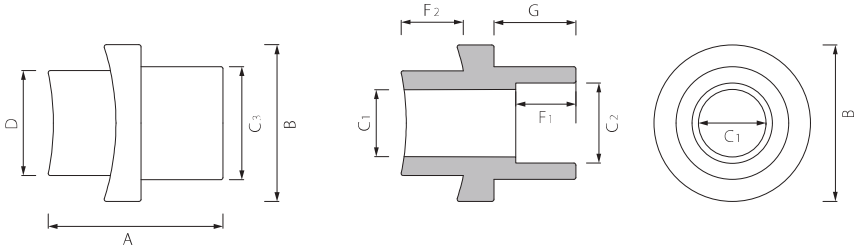
WELD-IN SADDLE



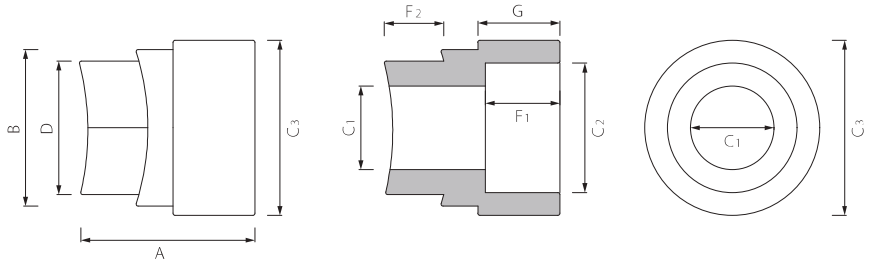
CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE

MODEL A



MODEL B



REFERENCE	DIAMETER	A	B	C_1	C_2 min	C_3	D	F_1	F_2	G	WEIGHT	MODEL	BAG	BOX
	(mm)	(mm)									(kg)		(un)	
P-480063-RF	63-75-90x20	38	38	16	19,2	27	25	15	10	22	0,018	A	50	400
P-480064-RF	63-75-90x25	38	38	16	24,2	33	25	16	10	22	0,019	A	40	320
P-480065-RF	63-75-90x32	46	38	20	31,1	42	32	18	11	28	0,032	B	20	200
P-480110-RF	110-125-160x20	42	38	16	19,2	27	25	15	14	22	0,019	A	50	400
P-480111-RF	110-125-160x25	42	38	16	24,2	33	25	16	14	22	0,020	B	40	320
P-480112-RF	110-125-160x32	50	38	20	31,1	42	32	18	14	28	0,033	B	20	200

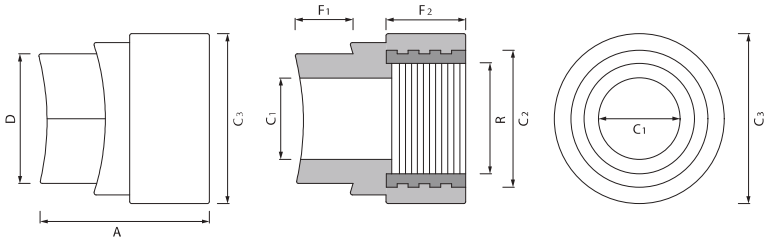
Note: the necessary tools for the fusion of HELIROMA weld-in saddles are listed on pages 142 and 143.

WELD-IN SADDLE FEMALE



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



REFERENCE	DIAMETER	A	B	C_1	C_2	C_3	D	F_1	F_2	R	WEIGHT	BAG	BOX
	(mm x in)	(mm)								(in)	(kg)	(un)	
P-490063-RF	63-75-90x1/2"	46	38	20	27	42	32	10	28	1/2"	0,060	20	200
P-490064-RF	63-75-90x3/4"	46	38	20	32	42	32	10	28	3/4"	0,061	20	200
P-490110-RF	110-125-160x1/2"	50	38	20	27	42	32	15	28	1/2"	0,063	20	200
P-490111-RF	110-125-160x3/4"	50	38	20	32	42	32	15	28	3/4"	0,062	20	200

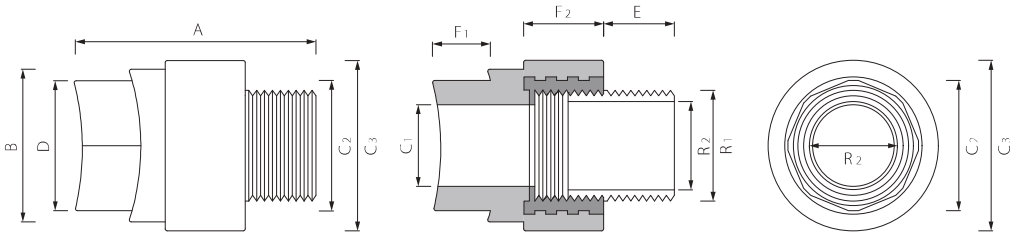
Note: the necessary tools for the fusion of HELIROMA weld-in saddles are listed on pages 142 and 143.

WELD-IN SADDLE MALE



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



REFERENCE	DIAMETER	A	B	C_1	C_2	C_3	D	E	F_1	F_2	R_1	R_2	WEIGHT	BAG	BOX
	(mm x in)	(mm)									(in)		(kg)	(un)	
P-500063-RF	63-75-90x1/2"	61	38	20	26	43	32	15	10	28	1/2"	16	0,071	20	200
P-500064-RF	63-75-90x3/4"	63	38	20	26	43	32	17	10	28	3/4"	21	0,082	20	200
P-500110-RF	110-125-160x1/2"	63	38	20	26	43	32	15	15	28	1/2"	16	0,073	20	200
P-500111-RF	110-125-160x3/4"	65	38	20	26	43	32	17	15	28	3/4"	21	0,083	20	200

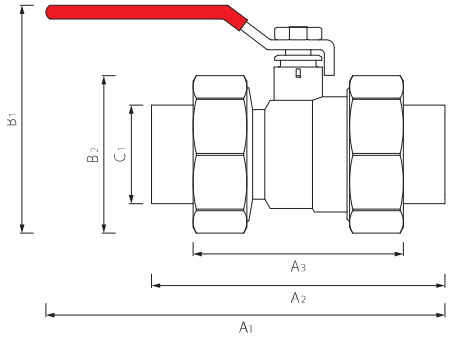
Note: the necessary tools for the fusion of HELIROMA weld-in saddles are listed on pages 142 and 143.

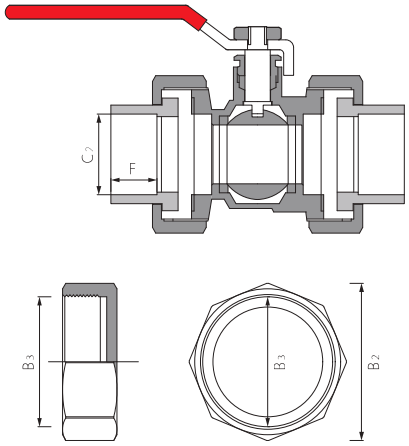
DEMOUNTABLE VALVE



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100 | Brass CW617N
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE





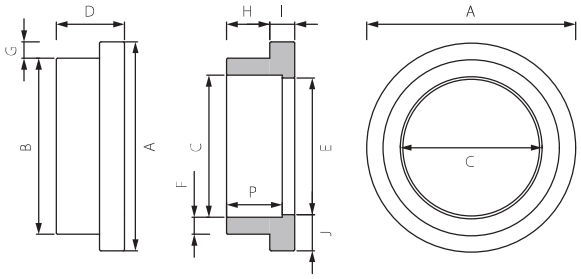
REFERENCE	DIAMETER	A_1	A_2	A_3	B_1	B_2	B_3	C_1	C_2	F	WEIGHT	BAG	BOX
	(mm)										(kg)	(un)	
P-244020-RFX	20	127	95	67	65	43	36	28	19	16	0,34	5	70
P-244025-RFX	25	142	96	68	72	49	42	33	24	17	0,465	5	50
P-244032-RFX	32	167	104	70	92	61	52	43	31	18	0,712	5	30
P-244040-RFX	40	192	121	82	111	73	68	50	39	20	1,116	2	20
P-244050-RFX	50	215	143	97	130	92	85	66	49	23	1,814	2	8

FEMALE FLANGE ADAPTOR



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



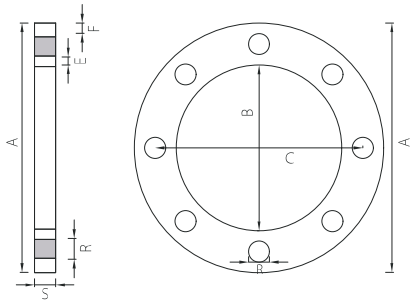
REFERENCE	DIAMETER	A	B	C	Tol. C	D	E	F	G	H	I	J	P	WEIGHT	BAG	BOX
	(mm)													(kg)	(un)	
P-PBRIDA40H-RF	40	77	50	37	+0,4	26	38	7	13	16	10	20	21	0,028	25	100
P-PBRIDA50H-RF	50	87	64	49	+0,5	30	48	8	11	18	12	19	24	0,066	15	60
P-PBRIDA63H-RF	63	100	77	61	+0,6	34	60	9	11	20	14	20	28	0,090	10	30
P-PBRIDA75H-RF	75	113	94	73	+0,5	36	72	11	9	23	13	20	31	0,122	4	20
P-PBRIDA90H-RF	90	133	114	89	+1,5	42	88	13	9	26	16	22	33	0,200	4	20
P-PBRIDA110H-RF	110	159	134	106	+1,7	49	108	15	12	30	19	27	37	0,305	2	10
P-PBRIDA125H-RF	125	188	166	124	+2,2	52	124	21	11	32	20	32	40	0,521	1	10

STEEL FLANGE



CHARACTERISTICS

RAW MATERIAL	Steel Flange ST 37.2, Zinc Coated
STANDARDS	DIN EN1092 | ISO 15494:2015
COMPATIBLE SYSTEMS	RED FIRE



REFERENCE	DIAMETER	A	B	C	E	F	R	S	HOLES	WEIGHT	BAG
	(mm)								(un)	(kg)	(un)
BRIDA40	40	140	52	100	16	11	18	16	4	1,489	1
BRIDA50	50	150	65	110	14	11	18	15	4	1,620	1
BRIDA63	63	165	78	125	14	11	18	18	4	2,221	1
BRIDA75	75	185	95	145	16	12	18	18	4	2,653	1
BRIDA90	90	200	115	160	14	11	18	20	8	2,940	1
BRIDA110	110	220	135	180	13	12	18	21	8	3,440	1

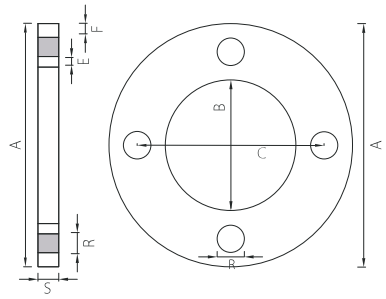
COATED STEEL FLANGE



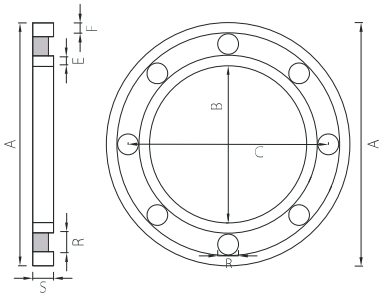
CHARACTERISTICS

RAW MATERIAL	Carbon Steel Flange ST 37.2, coated with Fiberglass reinforced Polypropylene
STANDARDS	DIN EN1092 | ISO 15494:2015
COMPATIBLE SYSTEMS	RED FIRE

MODEL A



MODEL B



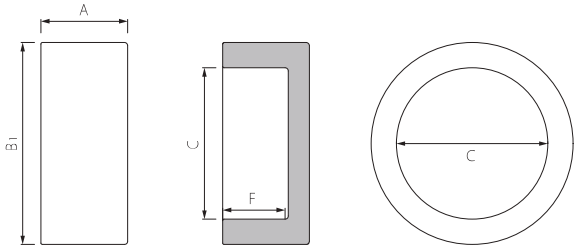
REFERENCE	DIAMETER	A	B	C	E	F	G	H	R	S	HOLES	WEIGHT	MODEL	BAG
					(mm)						(un)	(kg)		(un)
BRIDA40-REV	40	142	53	100	15	12	-	-	18	18	4	0,671	A	1
BRIDA50-REV	50	152	66	110	13	12	-	-	18	18	4	0,767	A/B	1
BRIDA63-REV	63	172	78	125	15	15	21	7	18	20	4	1,058	A/B	1
BRIDA75-REV	75	189	95	145	16	13	-	-	18	22	4	1,222	A/B	1
BRIDA90-REV	90	200	115	160	14	11	20	7	18	20	8	1,100	A/B	1
BRIDA110-REV	110	223	135	179	13	13	-	-	18	20	8	1,442	A/B	1
BRIDA125-REV	125	250	168	209	12	12	-	-	18	24	8	2,192	A/B	1

END CAP



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



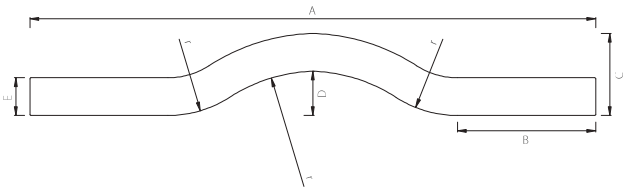
REFERENCE	DIAMETER	A	B_1	C min	F	WEIGHT	BAG	BOX
			(mm)			(kg)	(un)	
P-242020-RF	20	20	28	19,2	15	0,013	50	500
P-242025-RF	25	22	34	24,2	16	0,017	50	500
P-242032-RF	32	26	42	31,1	18	0,023	30	240
P-242040-RF	40	29	53	39,0	21	0,036	20	200
P-242050-RF	50	32	68	48,9	24	0,065	10	100
P-242063-RF	63	42	87	61,9	28	0,15	5	50
P-242075-RF	75	43	100	73,7	30	0,186	2	40
P-242090-RF	90	53	122	88,6	33	0,346	1	24
P-2420110-RF	110	61	144	108,4	37	0,504	1	10
P-2420125-RF	125	68	162	122,4	40	0,702	1	10

BRIDGE



CHARACTERISTICS

COLOUR	Red
RAW MATERIAL	PP-R 100
TYPE OF WELDING	Socket
STANDARDS	EN ISO-15874 | EN 13501 | EN 671 | EN 12845 DIN 8077 | DIN 8078 | RP 001.72 | RP 001.84
COMPATIBLE SYSTEMS	RED FIRE



REFERENCE	DIAMETER	A	B	C	D	E	R	WEIGHT	BAG	BOX
	(mm)							(kg)	(un)	
P-UC20-RF	20	300	80	42	22	20	61,2	0,065	10	100
P-UC25-RF	25	330	75	52	27	25	81,8	0,098	10	60
P-UC32-RF	32	380	80	64	34	32	97,5	0,16	5	40