VASEN

POLYPROPYLENE
PIPES AND FITTINGS

MULTILAYER PERT-AL-PERT
PIPES AND FITTINGS

POLYETHYLENE FITTINGS
ELECTROFUSION / BUTT FUSION

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PRICE LIST 2020

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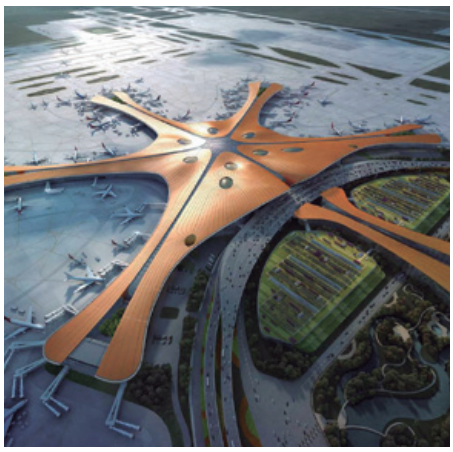
THE GREAT WORLD'S INFRASTRUCTURES. DO YOU KNOW WHAT THEY HAVE IN COMMON?

As a professional in the sector, you already know the quality of VASEN products. But you may not know that they are among the world market leaders and that their quality standards are at the level of the best European manufacturers.

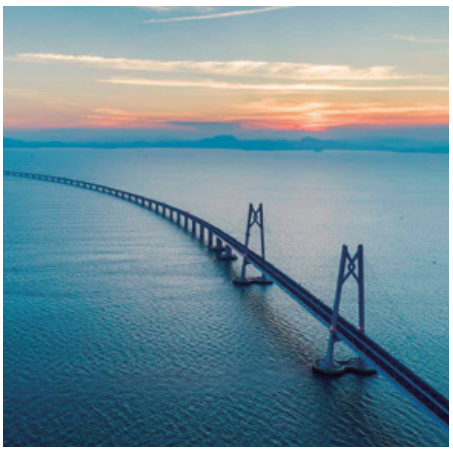
120 More than 120 international accreditations

20 20 years of development

1999.10 Founded in October 1999



The largest international airport in the world.



55 km bridge and tunnel with a width of 6 lanes.



80,000-seat stadium for the 2022 games.



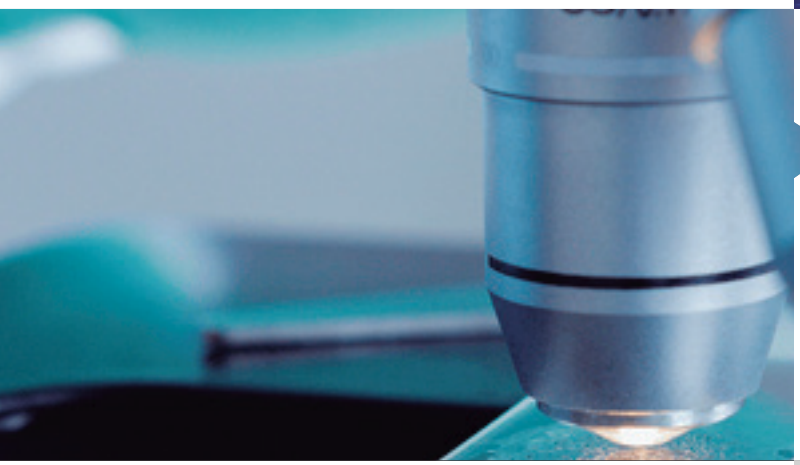
VALUE

Create value, quality of life.
VASEN focuses on improving the quality of human life and creating greater value with professionalism.

AHEAD

I&D in science and technology, beyond expectations VASEN specializes in creating more new products and constantly exceeding user expectations.





SPECIALTY

Professional quality.
VASEN is committed to the quality of its clients and constantly seeks excellence.

EXCELLENCE

Excellent service, superior experience.
VASEN adheres to the new height of service in the industry, making users feel attentive, safe and comfortable.





RELIABILITY

System support, high-quality life.
VASEN provides a systematic solution for high-end living.

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POLYPROPYLENE
PIPES AND FITTINGS



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CHARACTETISTICS

PP-R is short for polypropylene random copolymer, also named as polypropylene type 3.

In 1957, Italian firstly realized polypropylene industrial production. Due to its excellent heat-resistant, corrosion-resistant performance, it is deeply favored by the users. In late 1970s, polypropylene material has deemed to be the future direction of building cold and hot water supply pipeline. That is the first generation of polypropylene material, which named as PP-H, short for homo- polypropylene. However, though it has excellent heat-resistance (110°C), pressure resistance (MRS = 10 MPa) performance, its poor low-temperature impact resistance makes it not suitable for the building cold and hot water supply pipeline.

Therefore, people tried to improve its low-temperature impact resistance through the modification of PP-H material. Then we have the second generation of polypropylene, which is obtained through the modification of PP-H material. Then we have the second generation of polypropylene, which is obtained through adding a certain amount of vinyl monomer during the polymerization process of polypropylene. It is named as PP-B or PP-H, which s short for block copolymerized polypropylene. Although PP-B has a great change in low-temperature impact resistance, it sacrificed its heat resistance performance. PP-B can only apply in cold water pipeline or the hot water pipeline in low pressure condition.

In late 1980s, some European petrochemical corporations break the traditional polypropylene liquid-phase polymerization process, adopting the advanced gas phase polymerization technology, which synthesized random copolymer of polypropylene and ethylene. The random copolymer is named as polypropylene random copolymer, PP-R in short, wherein the ethylene content is less than 5%, which is randomly distributed in the polypropylene molecular chain. This PP-R material, which is created by the new polymerization process, taking into account the heat resistance of PP-H and the low-temperature impact properties of PP-B, is suitable for the manufacture of hot and cold water supply pipeline system inside the building.

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ADVANTAGES

- **Light weight.** The density of the pipes is only 0.89-0.91 , which is only 1/9 of steel pipe and 1/10 of copper pipe. It makes handling and installation more convenient.
- **Good heat and pressure resistance.** The Vicat softening point reaches 131.3°C. Its short-term operating temperature can up to 95°C. And under the temperature of 80°C, it still can bear some pressure for a long term. That´s the best choice for cold and hot water supply pipeline in buildings.
- **Long service life.** Under proper temperature (70°C) and pressure (10), its service life can reach 50 years.
- **Good corrosion resistance.** VASEN PP-R pipes have excellent corrosion resistance to most inorganic ion and common chemical substances in buildings. It is anti-corrosion and does not rust in long term use.
- **Reliable and convenient connectiona.**PP-R material has excellent melting welding performance. The pipes and fittings are made from the same material, joined together by melting welding. Compared to single pipe, the tensile vending and impact strength in joint are much higher, which prevents the danger of leakage, and this kind of connection method also makes the site installation reliable and convenient..
- **Nonpoisonous and harmless.** PP-R belongs to polyolefin, which is a kind of thermoplastics, whose molecule is only composed of carbon and hydrogen.
- **Good thermal and sound insulation properties.** The thermal conductivity coefficient of PP-R is 0.23 w/m °C, which is only 1/200 of steel pipe (43-52 w/m °C). No need to use insulating materials when used in hot water systems, which saves insulation materials and energy. And it has lower noise when delivery in pipeline system.
- **Better water passing capacity.** The smooth inner surface of PP-R pipes and fittings have lower friction, which ensure fast running of the water.
- **Environment-friendly building material.** During production, installation and application, no pollution will be caused to the environment. Meanwhile, the materials are recyclable, which can minimize resource wasting.

APPLICATION FIELDS

- **Portable water pipe networke** for cold and hot water supply in civil buildings, such as residence, hospitals, hotels, offices, schools and buildings on ship, etc.
- **Industrial pipe networks for foodstuff, chemical and electric industry,** e.g. for the transportation of some corrosive fluids (acid or alkaline water and ionized water, etc.)
- **Pipe networks for purified water and mineral water.**
- **Pipe networks for air conditioning equipment.**
- **Pipe networks for floor heating system.**
- **Pipe networks for rainwater utilization system.**
- **Pipe networks for swimming pool facilities.**
- **Pipe networks for agriculture and horticulture.**
- **Pipe networks for solar energy facilities.**

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CONNECTION METHODS

1.SOCKET FUSION WITH A HAND-HELD WELDING DEVICE









- **Cut the pipe.**
  Cut the pipe at right angles to the pipe axis. After cutting, make the surface free from burr and cutting debris. The pipe end connect with fittings should be clean, dry, oil-free.
- **Mark welding depth.**
  Use special gauge and pencil to measure the pipe end and mark the welding depth.
- **Heat pipe and fitting.**
  When the temperature of welding tool reach 260°C (the green lamp flashing), insert the pipe and the fitting into the welding tool at the same time. The heating time refer to below table.
- **Align and weld-in.**
  After the required heating time quickly remove pipe and fitting from the welding tools. Joint them immediately, and without turning, until the marked welding depth is covered.

Hold the pipe and the fitting tightly until reach the required welding time. Do not push the pipe too far or too close, as this would reduce the bore, even close the pipe, or make the connection unstable.

- **Pressure Test**
  When the whole system installation accomplished, carry out water pressure test, to ensure the connection is reliable.

PP-R PIPE & FITTING HEAT SOCKET FUSION TECHNICAL REQUIREMENT

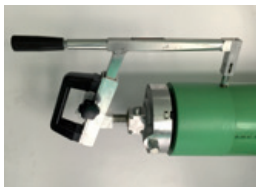
Diameters	Minimum depth	Heating time	Welding time	Cooling time
(mm)	(mm)	(sec.)	(sec.)	(min.)
20	11	5	4	3
25	12,5	7	4	3
32	14,6	8	4	4
40	17	12	6	4
50	20	18	6	5
63	23,9	24	6	6
75	27,5	30	10	8
90	32	40	10	8
110	38	50	15	10
125	41	55	15	12
160	46	60	15	15

Note: This table is only applied in the situation that environment temperature is 20°C. When the environment temperature is lower than 20°C, the heating time should increase properly. If the environment temperature is less than 5°C, the heating time should increase 50%.

2.ELECTROFUSION

- **Cut the pipe.**
  Cut the ends of the pipes rectangular and deburr them thoroughly.
- **Measure welding depth.**
  Measure the vertical length between the fitting end and the limit circle (measure half length of the fittings if the without limit circle).
- **Mark welding depth.**
  Mark the depth of electrofusion fitting on the ends of the pipes.
- **Peel pipe end surfaces.**
  Peel the surface of the pipes up to the marks thoroughly with a peeling tool (0.1-0.2 mm thickness) and deburr. **(It is a necessary procedureo)**.
- **Clean up welding area.**
  Clean the welding area of the pipes and fitting with isopropanol, completely dry the fusion area with clean cloth. Do not touch the clean and dry fusion area of pipes or fittings with hands.







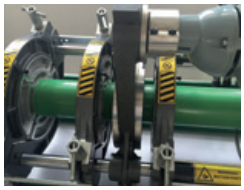




- **Mark welding depth.**
  Mark the depth of electrofusion fitting again on the ends of the pipes.
- **Insert into the fitting.**
  Push the electrofusion sockets on the clean and dry end of the pipe (up to the marked depth) and check the fitness. Clamp the pipes and fittings at the same axis, ensure not move during fusion.
- **Plug in the electrodes.**
  Attach the electrode plugs of the welding machine to the electrode of the fittings, to ensure fully contact.
- **Electric weld.**
  Read the bar code on the fittings by scanning pen or input the welding parameter manually. Check the welding parameter showed on the machine, such as product type, voltage, heating, and cooling time. Press "Start" button to carry on welding. Do not move or stress pipe and fitting during the whole fusion process and cooling time.
- **Welding check.**
  After fusion process, check and see if the welding indicators are protruded (the welding indicators height vary with fit clearance).

Attention:

1. Input voltage deviation should be not more than 15%, output voltage allowed deviation is within 5%.
2. The electrofusion machine without temperature compensation function should set compensation time.

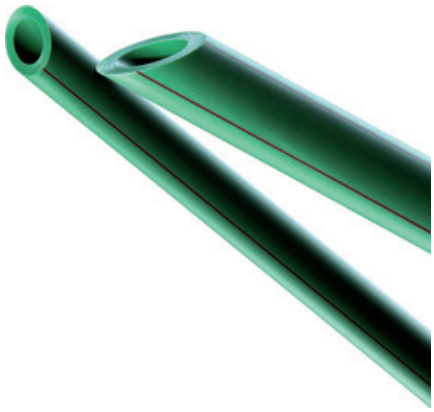



3.BUTT FUSION

- **Clamp pipes.**
  Plastic pipes are aligned and fixed by means of the clamping elements.
- **Check welding parameters.**
  Set welding temperature to 240 5%, and test the pipe moving pressure.
- **Mill pipe ends.**
  Use the milling machine for milling the pipe end to be plane-parallel. Check if the pipe match, if not, makes adjustment, to ensure the alignment tolerance less than 10%.
- **Heat up.**
  After the heating element has been positioned, the pipes are pushed onto the heating plate with a defined adjusting pressure.

  After reaching the specified bead height the pressure is reduced. This process marks the beginning of the heating time. This time is for heating up the pipe ends up to the right welding temperature.
- **Butt weld.**
  When heating time has expired, divide the machine slide, remove heating element quickly and join the pipes (by putting both parts of the slide together).
- **Hold pressure and cool down.**
  The pipes are fused with the required welding pressure and cooled down under pressure.

PIPE IN BAR PPR 80 SDR 6 / S 2,5 PN20



TUBO EN BARRA PPR 80 SDR 6 / S 2,5 PN20
TUBE EN BARRE PPR 80 SDR 6 / S 2,5 PN20
TUBO EM VARA PPR 80 SDR 6 / S 2,5 PN20

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TB16	16 x 2.7	4.0	25	100	**0,840**
PPR.TB20	20 x 3.4	4.0	25	100	**1,013**
PPR.TB25	25 x 4.2	4.0	20	80	**1,656**
PPR.TB32	32 x 5.4	4.0	10	40	**2,758**
PPR.TB40	40 x 6.7	4.0	5	20	**4,377**
PPR.TB50	50 x 8.4	4.0	4	16	**7,135**
PPR.TB63	63 x 10.5	4.0	3	12	**11,029**
PPR.TB75	75 x 12.5	4.0	2	8	**17,516**
PPR.TB90	90 x 15.0	4.0	1	4	**26,769**
PPR.TB110	110 x 18.3	4.0	1	4	**39,991**
PPR.TB125 ▲	125 x 20.8	4.0	1	4	**53,559**
PPR.TB160 ▲	160 x 26.6	4.0	1	4	**75,148**

PIPE IN BAR FASER PPR 80 SDR 7,4 / S 3,2



TUBO EN BARRA FASER PPR 80 SDR 7,4 / S 3,2
TUBE EN BARRE FASER PPR 80 SDR 7,4 / S 3,2
TUBO EM VARA FASER PPR 80 SDR 7,4 / S 3,2

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TBF20020	20 x 2.8	4.0	25	100	**1,251**
PPR.TBF20025	25 x 3.5	4.0	20	80	**1,827**
PPR.TBF20032	32 x 4.4	4.0	10	40	**2,970**
PPR.TBF20040	40 x 5.5	4.0	5	20	**4,250**
PPR.TBF20050	50 x 6.9	4.0	4	16	**6,216**
PPR.TBF20063	63 x 8.6	4.0	3	12	**10,601**
PPR.TBF20075	75 x 10.3	4.0	2	8	**15,980**
PPR.TBF20090	90 x 12.3	4.0	1	4	**23,969**
PPR.TBF20110	110 x 15.1	4.0	1	4	**33,868**
PPR.TBF20125	125 x 17.1	4.0	1	4	**52,586**
PPR.TBF20160	160 x 21.9	4.0	1	4	**73,762**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request

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PIPE IN BAR CLIMA FASER PPR 80 SDR 11 / S 5

TUBO EN BARRA CLIMA FASER PPR 80 SDR 11 / S 5
TUBE EN BARRE CLIMA FASER PPR 80 SDR 11 / S 5
TUBO EM VARA CLIMA FASER PPR 80 SDR 11 / S 5

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TBFC25	25 x 2.3	4.0	20	80	**1,623**
PPR.TBFC32	32 x 2.9	4.0	10	40	**2,573**
PPR.TBFC40	40 x3.7	4.0	5	20	**4,014**
PPR.TBFC50	50 x4.6	4.0	4	16	**5,790**
PPR.TBFC63	63 x 5.8	4.0	3	12	**10,014**
PPR.TBFC75	75 x 6.8	4.0	2	8	**14,348**
PPR.TBFC90	90 x 8.2	4.0	1	4	**21,658**
PPR.TBFC110	110 x 10	4.0	1	4	**32,087**
PPR.TBFC125 ▲	125 x 11.4	4.0	1	4	**41,628**
PPR.TBFC160 ▲	160 x 14.6	4.0	1	4	**68,142**



PIPE IN BAR FASER PPR 80 SDR 7,4 / S 3,2 UV

TUBO EN BARRA FASER PPR 80 SDR 7,4 / S 3,2 UV
TUBE EN BARRE FASER PPR 80 SDR 7,4 / S 3,2 UV
TUBO EM VARA FASER PPR 80 SDR 7,4 / S 3,2 UV

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TBFUV20020	20 x 2.8	4.0	25	100	**1,778**
PPR.TBFUV20025	25 x 3.5	4.0	20	80	**2,651**
PPR.TBFUV20032	32 x 4.4	4.0	10	40	**4,368**
PPR.TBFUV20040	40 x 5.5	4.0	5	20	**6,667**
PPR.TBFUV20050	50 x 6.9	4.0	4	16	**10,056**
PPR.TBFUV20063	63 x 8.6	4.0	3	12	**16,628**



PIPE IN BAR PPR 80 SDR 11 / S 5 PN10

TUBO EN BARRA PPR 80 SDR 11 / S 5 PN10
TUBE EN BARRE PPR 80 SDR 11 / S 5 PN10
TUBO EM VARA PPR 80 SDR 11 / S 5 PN10

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TB200 ▲	200 x 18.2	4.0	1	4	**126,815**
PPR.TB250 ▲	250 x 22.7	4.0	1	4	**187,455**
PPR.TB315 ▲	315 x 28.6	4.0	1	4	**300,479**



DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request

ELBOW 90°



CODO 90°
COUDE 90°
JOELHO 90°

Ref.	DN	U/B	U/C	€/Uni.
PPR.C9016	16	10	400	**0,306**
PPR.C9020	20	10	400	**0,230**
PPR.C9025	25	10	240	**0,353**
PPR.C9032	32	10	140	**0,502**
PPR.C9040	40	8	80	**1,083**
PPR.C9050	50	4	40	**2,070**
PPR.C9063	63	3	18	**3,563**
PPR.C9075	75	2	18	**5,090**
PPR.C9090	90	1	9	**8,143**
PPR.C90110	110	1	5	**15,596**
PPR.C90125	125	1	4	**23,279**
PPR.C90160	160	1	4	**39,380**

ELBOW 45°



CODO 45°
COUDE 45°
JOELHO 45°

Ref.	DN	U/B	U/C	€/Uni.
PPR.C4516	16	10	600	**0,238**
PPR.C4520	20	10	600	**0,174**
PPR.C4525	25	10	360	**0,333**
PPR.C4532	32	10	200	**0,502**
PPR.C4540	40	8	96	**0,950**
PPR.C4550	50	4	56	**1,562**
PPR.C4563	63	3	30	**3,121**
PPR.C4575	75	2	18	**4,799**
PPR.C4590	90	1	8	**8,217**
PPR.C45110	110	1	6	**12,821**
PPR.C45160	160	1	4	**49,951**

ELBOW 90° F/M



CODO 90° H/M
COUDE 90° F/M
CURVA 90° F/M

Ref.		DN	U/B	U/C	€/Uni.
PPR.CHM20	●	20	50	300	**0,304**
PPR.CHM25	●	25	50	200	**0,479**

DN: mm • U/B: Units per bag • U/C: Units per box

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COUPLER

MANGUITO
MANCHON
UNIÃO



Ref.	DN	U/B	U/C	€/Uni.
PPR.M16	16	10	720	**0,195**
PPR.M20	20	10	720	**0,146**
PPR.M25	25	10	400	**0,243**
PPR.M32	32	10	240	**0,373**
PPR.M40	40	10	150	**0,576**
PPR.M50	50	8	80	**1,018**
PPR.M63	63	6	48	**2,070**
PPR.M75	75	4	32	**3,661**
PPR.M90	90	2	24	**5,561**
PPR.M110	110	2	12	**7,792**
PPR.M125	125	2	10	**11,427**
PPR.M160	160	1	4	**28,000**

EQUAL TEE

TE IGUAL
TÉ EGAL
TÊ IGUAL



Ref.	DN	U/B	U/C	€/Uni.
PPR.T16	16	10	360	**0,373**
PPR.T20	20	10	360	**0,279**
PPR.T25	25	10	200	**0,456**
PPR.T32	32	10	100	**0,715**
PPR.T40	40	6	60	**1,154**
PPR.T50	50	4	32	**2,273**
PPR.T63	63	2	18	**4,302**
PPR.T75	75	2	14	**5,759**
PPR.T90	90	1	8	**11,180**
PPR.T110	110	1	4	**19,309**
PPR.T125	125	1	4	**32,349**
PPR.T160	160	1	4	**52,917**

TEE CROSS

TE CRUZ
TÉ CROIX
TÊ CRUZ



Ref.	DN	U/B	U/C	€/Uni.
PPR.CZ20	20	10	250	**0,522**
PPR.CZ25	25	10	150	**0,639**
PPR.CZ32	32	8	96	**1,156**

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

REDUCED TEE



TE REDUCCIÓN
TÉ RÉDUIT
TÊ REDUZIDO

Ref.	DN	U/B	U/C	€/Uni.
PPR.TRC2520	25-20-25	10	200	**0,363**
PPR.TRC3220	32-20-32	10	150	**0,671**
PPR.TRC3225	32-25-32	10	120	**0,671**
PPR.TRC4020	40-20-40	6	84	**1,040**
PPR.TRC4025	40-25-40	6	72	**1,040**
PPR.TRC4032	40-32-40	6	60	**1,188**
PPR.TRC5020	50-20-50	4	48	**2,152**
PPR.TRC5025	50-25-50	4	48	**2,191**
PPR.TRC5032	50-32-50	4	40	**2,249**
PPR.TRC5040	50-40-50	4	40	**2,313**
PPR.TRC6320	63-20-63	2	32	**4,052**
PPR.TRC6325	63-25-63	2	32	**4,236**
PPR.TRC6332	63-32-63	2	32	**4,236**
PPR.TRC6340	63-40-63	2	24	**4,236**
PPR.TRC6350	63-50-63	2	24	**4,236**
PPR.TRC7550	75-50-75	2	18	**8,147**
PPR.TRC7563	75-63-75	2	14	**8,147**
PPR.TRC9063	90-63-90	1	6	**10,138**
PPR.TRC9075	90-75-90	1	6	**11,163**
PPR.TRC11063	110-63-110	1	4	**18,822**
PPR.TRC11075	110-75-110	1	4	**19,847**
PPR.TRC11090	110-90-110	1	4	**20,872**
PPR.TRL2520	25-20-20	10	200	**0,509**
PPR.TRL2025	25-25-20	10	200	**0,470**
PPR.TRL3220	32-20-20	10	180	**0,948**
PPR.TRL3225	32-25-25	10	120	**0,948**
PPR.TDR322025	32-20-25	10	120	**0,722**
PPR.TDR322520	32-25-20	10	150	**0,722**

CAP



TAPÓN
BOUCHON
TAMPÃO

Ref.	DN	U/B	U/C	€/Uni.
PPR.TAP16 ▲	16	20	1.000	**0,169**
PPR.TAP20	20	20	1.000	**0,160**
PPR.TAP25	25	20	600	**0,225**
PPR.TAP32	32	20	300	**0,345**
PPR.TAP40	40	20	200	**0,695**
PPR.TAP50	50	8	112	**0,977**
PPR.TAP63	63	8	64	**1,697**
PPR.TAP75	75	2	40	**3,136**
PPR.TAP90	90	2	28	**5,921**
PPR.TAP110	110	2	12	**7,663**
PPR.TAP125	125	1	16	**11,463**
PPR.TAP160	160	1	6	**18,459**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request

VASEN

REDUCER

MANGUITO REDUCCIÓN
MANCHON RÉDUIT
REDUÇÃO



Ref.	DN	U/B	U/C	€/Uni.
PPR.MRD2016	20-16	10	72	**0,240**
PPR.MRD2520	25-20	10	720	**0,180**
PPR.MRD3220	32-20	10	480	**0,273**
PPR.MRD3225	32-25	10	400	**0,277**
PPR.MRD4020	40-20	10	300	**0,364**
PPR.MRD4025	40-25	10	300	**0,428**
PPR.MRD4032	40-32	10	250	**0,528**
PPR.MRD5020	50-20	10	200	**0,536**
PPR.MRD5025	50-25	10	200	**0,685**
PPR.MRD5032	50-32	10	160	**0,753**
PPR.MRD5040	50-40	10	150	**0,841**
PPR.MRD6320	63-20	10	150	**1,369**
PPR.MRD6325	63-25	10	150	**1,155**
PPR.MRD6332	63-32	8	96	**1,220**
PPR.MRD6340	63-40	8	80	**1,220**
PPR.MRD6350	63-50	8	64	**1,363**
PPR.MRD7550 ●	75-50	10	40	**2,105**
PPR.MRD7563	75-63	4	48	**3,552**
PPR.MRD9063	90-63	2	36	**3,860**
PPR.MRD9075	90-75	4	24	**4,551**
PPR.MRD1163	110-63	2	18	**6,227**
PPR.MRD1175	110-75	2	18	**7,162**
PPR.MRD1190	110-90	2	18	**7,460**
PPR.MRD1211 ●	125-110	1	4	**18,846**
PPR.MRD1611	160-110	1	4	**14,771**
PPR.MRD1612	160-125	1	4	**14,980**

PLUG WITH THREAD

TAPÓN CON ROSCA
BOUCHON À VIS
TAMPÃO COM ROSCA



Ref.	DN	U/B	U/C	€/Uni.
PPR.TAPR20	20	20	1.000	**0,191**
PPR.TAPR25	25	20	800	**0,191**

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

SADDLE



INJERTO
SELLE
DERIVAÇÃO SIMPLES

Ref.	DN	U/B	U/C	€/Uni.
PPR.INJ5025	50-25	1	480	**0,578**
PPR.INJ6325	63-25	1	480	**0,578**
PPR.INJ7525	75-25	1	480	**0,848**
PPR.INJ9025	90-25	1	400	**0,896**
PPR.INJ9032	90-32	1	240	**1,194**
PPR.INJ11025	110-25	1	400	**1,032**
PPR.INJ11032	110-32	1	240	**1,350**

PPR REPAIR PARTS



PIEZAS REPARACIÓN PPR
PIÈCES DE RÉPARATION PPR
TACO DE REPARAÇÃO

Ref.	DN	U/B	U/C	€/Uni.
PPR.REP711	7/11	10	500	**0,561**

STUB END



VALONA
COLLIER DE BRIDE
COLARINHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.VAL40	40	16	128	**0,848**
PPR.VAL50	50	10	100	**1,119**
PPR.VAL63	63	8	64	**1,504**
PPR.VAL75	75	4	40	**3,007**
PPR.VAL90	90	4	24	**4,396**
PPR.VAL110	110	2	20	**6,978**
PPR.VAL125*	125	1	1	**34,091**
PPR.VAL160*	160	1	1	**51,462**

DN: mm • U/B: Units per bag • U/C: Units per box

* TOPE / BUTT FUSION / BOUT A BOUT / TOPO

VASEN

FLANGE

BRIDA ACERO
BRIDE
FLANGE

Ref.	DN	U/B	U/C	€/Uni.
PPR.BA40 ●	40	1	1	**9,083**
PPR.BA50 ●	50	1	1	**11,251**
PPR.BA63 ●	63	1	1	**14,538**
PPR.BA75 ●	75	1	1	**17,385**
PPR.BA90 ●	90	1	1	**18,639**
PPR.BA110 ●	110	1	1	**21,620**



FEMALE THREADED TEE

TE ROSCA HEMBRA
TÉ FILETÉ FEMELLE
TÊ ROSCA FÊMEA

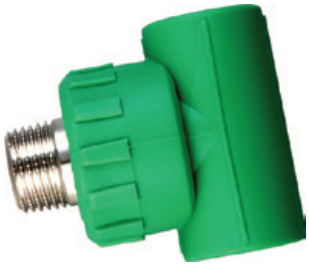
Ref.	DN	U/B	U/C	€/Uni.
PPR.TRH2012	20 1/2"	10	100	**1,652**
PPR.TRH2034	20 3/4"	10	80	**2,468**
PPR.TRH2512	25 1/2"	10	70	**1,780**
PPR.TRH2534	25 3/4"	10	60	**2,478**
PPR.TRH3234	32 3/4"	8	40	**3,543**
PPR.TRH321	32 1"	8	32	**4,740**
PPR.TRH401	40 1"	5	20	**11,067**
PPR.TRH40114 ●	40 1.1/4"	5	20	**11,288**



MALE THREADED TEE

TE ROSCA MACHO
TÉ FILETÉ MÂLE
TÊ ROSCA MACHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.TRM2012	20 1/2"	10	100	**1,899**
PPR.TRM2034	20 3/4"	10	60	**2,917**
PPR.TRM2512	25 1/2"	10	80	**2,551**
PPR.TRM2534	25 3/4"	10	60	**2,918**
PPR.TRM321	32 1"	8	24	**5,702**



DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

FEMALE THREADED ELBOW



CODO ROSCA HEMBRA
COUDE FILETÉ FEMELLE
JOELHO ROSCA FÊMEA

Ref.	DN	U/B	U/C	€/Uni.
PPR.CRH2012	20 1/2"	10	100	**1,633**
PPR.CRH2034	20 3/4"	10	100	**2,322**
PPR.CRH2512	25 1/2"	10	100	**1,743**
PPR.CRH2534	25 3/4"	10	80	**2,398**
PPR.CRH3234	32 3/4"	5	60	**3,210**
PPR.CRH321	32 1"	5	40	**4,863**
PPR.CRH40114 ●	40 1.1/4"	8	16	**11,055**

MALE THREADED ELBOW



CODO ROSCA MACHO
COUDE FILETÉ MÂLE
JOELHO ROSCA MACHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.CRM2012	20 1/2"	10	100	**2,066**
PPR.CRM2034	20 3/4"	10	100	**2,673**
PPR.CRM2512	25 1/2"	10	100	**2,412**
PPR.CRM2534	25 3/4"	10	80	**2,741**
PPR.CRM3234	32 3/4"	10	60	**3,872**
PPR.CRM321	32 1"	10	30	**5,812**

PLATE ELBOW



CODO PLACA
COUDE MURAL FILETÉ FEMELLE
JOELHO ROSCA FÊMEA C/ PATER

Ref.	DN	U/B	U/C	€/Uni.
PPR.CP2012	20 1/2"	10	100	**1,611**
PPR.CP2512	25 1/2"	5	40	**1,862**
PPR.CP2534	25 3/4"	5	50	**2,751**

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

FEMALE THREADED TRANSITION

MANGUITO ROSCA HEMBRA
RACCORD D'ADAPTATION FEMELLE
UNIÃO ROSCA FÊMEA



Ref.	DN	U/B	U/C	€/Uni.
PPR.MRH2012	20 1/2"	10	100	**1,469**
PPR.MRH2034	20 3/4"	10	100	**2,335**
PPR.MRH2512	25 1/2"	10	100	**1,611**
PPR.MRH2534	25 3/4"	10	80	**2,275**
PPR.MRH3234	32 3/4"	10	80	**2,991**
PPR.MRH321	32 1"	10	40	**4,433**
PPR.MRH40114	40 1.1/4"	4	24	**7,877**
PPR.MRH50112	50 1.1/2"	4	24	**9,893**
PPR.MRH632	63 2"	2	8	**14,875**
PPR.MRH75212	75 2.1/2"	2	6	**32,696**
PPR.MRH903 ●	90 3"	2	8	**70,132**
PPR.MRH110 ●	110 4"	1	3	**94,469**

TRANSITION COUPLING FEMALE THREADED

ENLACE DESMONTABLE ROSCA HEMBRA
RACCORD UNION A SOUDE ET VISSER FEMELLE
UNIÃO DESMONTÁVEL ROSCA FÊMEA



Ref.	DN	U/B	U/C	€/Uni.
PPR.EDRH2012	20 1/2"	10	80	**3,946**
PPR.EDRH2534	25 3/4"	10	60	**5,225**
PPR.EDRH321	32 1"	6	48	**6,772**
PPR.EDRH40114	40 1.1/4"	6	30	**12,555**
PPR.EDRH50112	50 1.1/2"	6	24	**15,498**
PPR.EDRH632	63 2"	4	16	**34,345**

COUPLING MALE THREADED TRANSITION

ENLACE DESMONTABLE ROSCA MACHO
RACCORD UNION A SOUDE ET VISSER MÂLE
UNIÃO DESMONTÁVEL ROSCA MACHO



Ref.	DN	U/B	U/C	€/Uni.
PPR.EDRM2012	20 1/2"	10	80	**3,887**
PPR.EDRM2534	25 3/4"	10	60	**5,481**
PPR.EDRM321	32 1"	6	48	**7,936**
PPR.EDRM40114	40 1.1/4"	6	24	**12,628**
PPR.EDRM50112	50 1.1/2"	6	24	**19,029**
PPR.EDRM632	63 2"	4	16	**40,147**

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

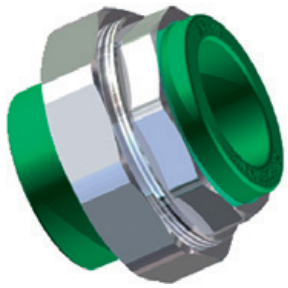
TRANSITION MALE THREADED



ENTRONQUE ROSCA MACHO
RACCORD D'ADAPTATION MÂLE
UNIÃO ROSCA MACHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.ERM1612	16 1/2"	10	120	**2,333**
PPR.ERM2012	20 1/2"	10	120	**1,637**
PPR.ERM2034	20 3/4"	10	80	**2,645**
PPR.ERM2512	25 1/2"	10	100	**1,830**
PPR.ERM2534	25 3/4"	10	80	**2,618**
PPR.ERM3234	32 3/4"	10	80	**3,173**
PPR.ERM321	32 1"	10	40	**5,916**
PPR.ERM40114	40 1.1/4"	4	24	**10,383**
PPR.ERM50112	50 1.1/2"	4	16	**12,947**
PPR.ERM632	63 2"	2	8	**21,316**
PPR.ERM75212	75 2.1/2"	2	6	**41,131**
PPR.ERM903	90 3"	2	8	**68,488**
PPR.ERM110 ●	110 4"	1	3	**132,644**

NUT ADAPTER



ENLACE DESMONTABLE SOLDAR-SOLDAR
RACCORD DROIT AVEC ECROU FEMELLE
UNIÃO ROSCA LOUCA

Ref.	DN	U/B	U/C	€/Uni.
PPR.EDSS20	20	5	60	**4,455**
PPR.EDSS25	25	5	60	**6,267**
PPR.EDSS32	32	5	60	**9,514**
PPR.EDSS40	40	2	24	**18,524**
PPR.EDSS50	50	2	24	**25,151**
PPR.EDSS63	63	2	16	**39,795**

PIPE IN BAR PPR 80 SDR 6 / S 2,5 PN20



ENLACE TUERCA LOCA
TUBE EN BARRE PPR 80 SDR 6 / S 2,5 PN20
TUBO EM VARA PPR 80 SDR 6 / S 2,5 PN20

Ref.	DN	U/B	U/C	€/Uni.
PPR.ETL2012	20 1/2"	30	150	**3,374**
PPR.ETL2034	20 3/4"	25	150	**4,458**
PPR.ETL2534	25 3/4"	20	60	**4,990**
PPR.ETL251	25 1"	20	60	**8,059**
PPR.ETL321	32 1"	10	60	**9,130**
PPR.ETL32114 ●	32 1.1/4"	10	50	**12,589**

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

VASEN

INTEGRATED FEMALE THREAD TEE

COLECTOR DE CONEXIÓN
FEMELLE INTÉGRÉ FILET TÉ
COLETOR

Ref.	DN	U/B	U/C	€/Uni.
PPR.COLC20	20 1/2"	5	30	**4,008**
PPR.COLC25	25 1/2"	5	20	**5,099**



FEMALE CROSS PIPE

SALVATUBOS HEMBRA
RACCORD DE CROISEMENT FEMELLE
SALVATUBOS FÊMEA

Ref.	DN	U/B	U/C	€/Uni.
PPR.ST20	20	10	200	**0,745**
PPR.ST25	25	10	120	**1,013**
PPR.ST32	32	10	60	**2,044**



MALE CROSS PIPE

SALVATUBOS MACHO
RACCORD DE CROISEMENT FEMELLE
SALVATUBOS MACHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.STC20	20	10	130	**0,852**
PPR.STC25	25	10	100	**1,182**
PPR.STC32	32	6	54	**2,076**
PPR.STC40	40	5	25	**3,607**



DN: mm • U/B: Units per bag • U/C: Units per box

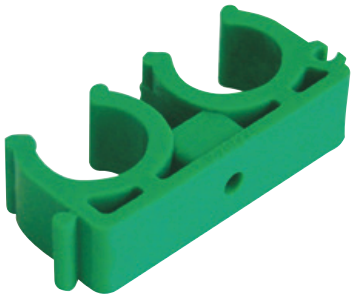
SINGLE CLAMP



ABRAZADERA SIMPLE
CLAMP SIMPLE
ABRAÇADEIRA SIMPLES

Ref.	DN	U/B	U/C	€/Uni.
PPR.AS20	20	20	1.600	**0,116**
PPR.AS25	25	20	1.440	**0,139**
PPR.AS32	32	20	960	**0,183**
PPR.AS40 ●	40	100	500	**0,285**

DOUBLE CLAMP



ABRAZADERA DOBLE
CLAMP DOUBLE
ABRAÇADEIRA DUPLA

Ref.	DN	U/B	U/C	€/Uni.
PPR.AD20 ●	20	100	500	**0,163**
PPR.AD25 ●	25	50	500	**0,237**
PPR.AD32 ●	32	50	500	**0,338**

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

BALL VALVE

VÁLVULA DE BOLA
ROBINET D'ARRET
VÁLVUKA DE ESFERA

Ref.	DN	U/B	U/C	€/Uni.
PPR.VB20 ●	20	10	40	**4,158**
PPR.VB25 ●	25	10	35	**6,114**
PPR.VB32 ●	32	5	20	**10,113**
PPR.VB40 ●	40	5	15	**19,539**
PPR.VB50 ●	50	1	8	**26,315**
PPR.VB63 ●	63	1	5	**41,012**
PPR.VB75 ●	75	1	5	**60,030**



STEERING WHEEL CUTTING VALVE

VÁLVULA DE CORTE CON VOLANTE
ROBINET D'ARRET AVEC VOLANT
VÁLVULA DE CORTE C/ VOLANTE

Ref.	DN	U/B	U/C	€/Uni.
PPR.VV20	20	1	35	**5,207**
PPR.VV25	25	1	25	**8,096**
PPR.VV32	32	1	15	**11,322**
PPR.VV40	40	1	10	**15,927**



DEMOUNTABLE BALL VALVE

VÁLVULA DE BOLA DESMONTABLE
ROBINET A BILLE DEMONTABLE
VÁLVULA DE ESFERA DESMONTÁVEL

Ref.	DN	U/B	U/C	€/Uni.
PPR.VBD20	20	1	25	**10,539**
PPR.VBD25	25	1	20	**15,038**
PPR.VBD32	32	1	12	**22,883**
PPR.VBD40	40	1	6	**46,968**
PPR.VBD50	50	1	3	**69,490**
PPR.VBD63	63	1	2	**115,204**



CHROME CUTTING VALVE

VÁLVULA DE CORTE MANDO CROMADO
ROBINET D'ARRET CHROME
VÁLVULA DE CORTE CROMADA

Ref.	DN	U/B	U/C	€/Uni.
PPR.VCR20	20	1	20	**17,726**
PPR.VCR25	25	1	20	**19,698**
PPR.VCR32	32	1	15	**28,609**



DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

CONCEALED VALVE



VÁLVULA DE CORTE PARA EMPOTRAR
ROBINET D'ARRET A ENCASTRER
VÃVULA DE CORTE OCULTA

Ref.	DN	U/B	U/C	€/Uni.
PPR.VE20	20	1	30	**16,352**
PPR.VE25	25	1	25	**17,559**
PPR.VE32	32	1	20	**23,417**

CONCEALED VALVE BODY



CUERPO LLAVE
CORPS DE ROBINET
CAIXA DE PASSADOR

Ref.	DN	U/B	U/C	€/Uni.
PPR.VECU20	20 1/2"	10	100	**6,921**
PPR.VECU25	25 3/4"	10	100	**7,620**
PPR.VECU32	32 3/4"	5	50	**13,515**

VALVE CORE PART



MOLDURA LLAVE
PARTIE CENTRALE DE LA RONBINET
CASTELO DE VÁLVULA DE CORTE

Ref.	DN	U/B	U/C	€/Uni.
PPR.VEMOL20	20 1/2"	1	100	**3,991**
PPR.VEMOL2532	25 - 32 3/4"	1	100	**4,740**

VALVE CHROMED UPPER PART



LLAVE EMBELLECEDOR
PARTIE SUPERIEURE CHROME DE LA ROBINET
TUBO P/ CASTELO E ESPELHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.VEEMB202532	20 - 25 - 32	1	50	**6,194**

DN: mm • U/B: Units per bag • U/C: Units per box

ELECTROFUSION COUPLER

MANGUITO ELECTROSOLDABLE
MANCHON D'ÉLECTROFUSION
UNIÃO ELECTROSSOLDÁVEL



Ref.	DN	U/B	U/C	€/Uni.
PPR.EFM63	63	1	25	**9,561**
PPR.EFM75	75	1	20	**13,605**
PPR.EFM90	90	1	10	**17,690**
PPR.EFM110	110	1	5	**27,605**
PPR.EFM125	125	1	10	**40,242**
PPR.EFM160	160	1	6	**60,364**

ELECTROFUSION REDUCER

MANGUITO REDUCCIÓN ELECTROSOLDABLE
MANCHON REDUCTION D'ÉLECTROFUSION
REDUÇÃO ELECTROSSOLDÁVEL



Ref.	DN	U/B	U/C	€/Uni.
PPR.EFMR6332	63-32	1	30	**10,829**
PPR.EFMR6340	63-40	1	30	**11,107**
PPR.EFMR6350	63-50	1	30	**13,526**
PPR.EFMR7563	75-63	1	30	**15,272**
PPR.EFMR9063	90-63	1	10	**16,778**
PPR.EFMR11063	110-63	1	6	**31,016**
PPR.EFMR11075	110-75	1	6	**31,254**
PPR.EFMR11090	110-90	1	6	**32,523**
PPR.EFMR12590	125-90	1	10	**44,738**
PPR.EFMR125110	125-110	1	10	**48,624**
PPR.EFMR16090	160-90	1	6	**53,843**
PPR.EFMR160110	160-110	1	6	**55,643**
PPR.EFMR160125	160-125	1	6	**58,025**

ELECTROFUSION ELBOW 90°

CODO 90° ELECTROSOLDABLE
COUDE 90° D'ÉLECTROFUSION
CURVA 90° ELECTROSSOLDÁVEL



Ref.	DN	U/B	U/C	€/Uni.
PPR.EFC9063	63	1	10	**18,325**
PPR.EFC9075	75	1	10	**23,005**
PPR.EFC9090	90	1	5	**27,486**
PPR.EFC90110	110	1	8	**45,768**
PPR.EFC90125	125	1	6	**74,482**
PPR.EFC90160	160	1	4	**84,317**

DN: mm • U/B: Units per bag • U/C: Units per box

ELECTROFUSION ELBOW 45°



CODO 45° ELECTROSOLDABLE
COUDE 45° D'ÉLECTROFUSION
CURVA 45° ELECTROSSOLDÁVEL

Ref.	DN	U/B	U/C	€/Uni.
PPR.EFC4563	63	1	18	**17,532**
PPR.EFC4575	75	1	10	**27,684**
PPR.EFC4590	90	1	6	**29,588**
PPR.EFC45110	110	1	10	**41,763**
PPR.EFC45125	125	1	6	**72,459**
PPR.EFC45160	160	1	4	**82,334**

ELECTROFUSION TEE



TE ELECTROSOLDABLE
TÉ D'ÉLECTROFUSION
TÊ ELECTROSSOLDÁVEL

Ref.	DN	U/B	U/C	€/Uni.
PPR.EFT63	63	1	10	**19,237**
PPR.EFT75	75	1	7	**31,134**
PPR.EFT90	90	1	10	**33,673**
PPR.EFT110	110	1	8	**45,055**
PPR.EFT125	125	1	5	**79,122**
PPR.EFT160	160	1	2	**88,877**

DN: mm • U/B: Units per bag • U/C: Units per box

VASEN

BUTT FUSION ELBOW 90° SDR 11

CODO 90° A TOPE SDR 11
COUDE 90° SDR 11 BOUT A BOUT
CURVA A 90° TOPO A TOPO SDR 11

Reference	DN	U/B	U/C	€/Uni.
PPR.C90200 ▲	200	1	1	**166,310**
PPR.C90250 ▲	250	1	1	**289,866**
PPR.C90315 ▲	315	1	1	**433,588**



BUTT FUSION ELBOW 45° SDR 11

CODO 45° A TOPE SDR 11
COUDE 45° SDR 11 BOUT A BOUT
CURVA A 45° TOPO A TOPO SDR 11

Ref.	DN	U/B	U/C	€/Uni.
PPR.C45200 ▲	200	1	1	**117,781**
PPR.C45250 ▲	250	1	1	**200,354**
PPR.C45315 ▲	315	1	1	**394,886**



BUTT FUSION TEE SDR 11

TE A TOPE SDR 11
TÉ SDR 11 BOUT A BOUT
TÊ TOPO A TOPO SDR 11

Ref.	DN	U/B	U/C	€/Uni.
PPR.T200 ▲	200	1	1	**170,315**
PPR.T250 ▲	250	1	1	**266,906**
PPR.T315 ▲	315	1	1	**457,712**



BUTT FUSION CAP SDR 11

TAPÓN A TOPE SDR 11
BOUCHON SDR 11 BOUT A BOUT
TAMPÃO TOPO A TOPO SDR 11

Ref.	DN	U/B	U/C	€/Uni.
PPR.TAP200 ▲	200	1	1	**93,051**
PPR.TAP250 ▲	250	1	1	**136,084**
PPR.TAP315 ▲	315	1	1	**173,435**



DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request

BUTT FUSION STUB END SDR 11



VALONA A TOPE SDR 11
COLLIER DE BRIDE SDR 11 BOUT A BOUT
COLARINHO TOPO A TOPO SDR 11

Reference	DN	U/B	U/C	€/Uni.
PPR.VAL200 ▲	200	1	1	**89,232**
PPR.VAL250 ▲	250	1	1	**112,984**
PPR.VAL315 ▲	315	1	1	**269,095**

BUTT FUSION REDUCER SDR 11



REDUCCIÓN A TOPE SDR 11
REDUTION SDR 11 BOUT A BOUT
REDUÇÃO TOPO A TOPO SDR 11

Ref.	DN	U/B	U/C	€/Uni.
PPR.MRD200160 ▲	200-160	1	1	**60,218**
PPR.MRD250160 ▲	250-160	1	1	**119,365**
PPR.MRD250200 ▲	250-200	1	1	**127,655**
PPR.MRD3120 ▲	315-200	1	1	**259,966**
PPR.MRD3125 ▲	315-250	1	1	**283,253**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request.

ELECTROFUSION MACHINE

MÁQUINA DE SOLDAR ELECTROFUSION
MACHINE D'ÉLECTROFUSION
MÁQUINA DE ELECTROSSOLDADURA

Ref.	Type	Range	U/C	€/Uni.
SPE 16 ●	With scanner 20-160 mm	Ø20-Ø160	1	**2.000,000**



WELDING MACHINE

MÁQUINA DE SOLDAR
MACHINE DE SOUDAGE
POLIFUSORA

Ref.	Matrices	Gama	U/C	€/Uni.
PPR.THJ63	20, 25, 32, 40, 50, 63 mm	Ø16-Ø63	1	**199,875**



WELDING MACHINE

MÁQUINA DE SOLDAR
MACHINE DE SOUDAGE
POLIFUSORA

Ref.	Matrices	Gama	U/C	€/Uni.
PPR.THJ110	75, 90, 110 mm	Ø20-Ø110	1	**215,250**



WELDING MACHINE

MÁQUINA DE SOLDAR
MACHINE DE SOUDAGE
POLIFUSORA

Ref.	Matrices	Gama	U/C	€/Uni.
PPR.THJ160	Not included	Ø20-Ø160	1	**240,875**



DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

WELDING TOOL



MATRIZ DE SOLDADURA
OUTIL DE SOUDAGE
MATRIZ DE SOLDADURA

Ref.	DN (mm)	U/B	€/Uni.
PPR.MS16	16	1	**5,489**
PPR.MS20	20	1	**5,489**
PPR.MS25	25	1	**6,116**
PPR.MS32	32	1	**9,096**
PPR.MS40	40	1	**11,501**
PPR.MS50	50	1	**14,951**
PPR.MS63	63	1	**20,492**
PPR.MS75	75	1	**28,647**
PPR.MS90	90	1	**41,611**
PPR.MS110	110	1	**56,771**
PPR.MS125	125	1	**68,971**
PPR.MS160 ▲	160	1	**117,540**

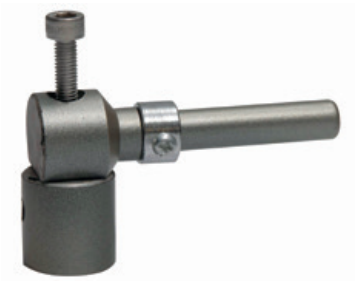
SADDLE WELDING TOOL



MATRIZ DE SOLDADURA PARA INJERTO
OUTIL DE SOUDAGE DE SELLE
MATRIZ DE SOLDADURA P/ DERIVAÇÃO

Ref.	DN (mm)	U/B	€/Uni.
PPR.MSI5025	50-25	1	**37,000**
PPR.MSI6325	63-25	1	**37,000**
PPR.MSI7525	75-25	1	**40,089**
PPR.MSI9025	90-25	1	**40,089**
PPR.MSI9032	90-32	1	**55,478**
PPR.MSI11025	110-25	1	**40,089**
PPR.MSI11032	110-32	1	**58,572**

REPAIR TOOL



MATRIZ DE REPARACIÓN
OUTIL DE RÉPARATION
MATRIZ DE REPARAÇÃO

Ref.	DN (mm)	U/B	€/Uni.
PPR.MSR7	7	1	**28,751**
PPR.MSR11	11	1	**28,751**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request.

SADDLE DREALING

TALADRO INJERTO
DRILL DE SELLE
BROCA DE DERIVAÇÃO

Ref.	DN (mm)	U/B	€/Uni.
PPR.TALI25	25	1	**16,384**
PPR.TALI32	32	1	**34,067**



CUTTER

TIJERAS CORTATUBOS
CISEAUX
TESOURA

Ref.	DN (mm)	U/B	€/Uni.
PPR.TIS	16-40	1	**28,178**



DN: mm • U/B: Units per bag • U/C: Units per box

VASEN

CERTIFICATES

VASEN has the quality certificates to carry out any type of installation with the security of being working with a leading company in its sector.

GENERAL CONDITIONS OF SALE

PRICES

Prices are understood in our warehouse. The shipping is charged to the customer, unless otherwise indicated.

SHIPPING CHARGE

To be agreed between the parties

PAYMENT CONDITIONS

To be agreed between the parties

PRICE LIST

VASEN (EGB) will opportunely communicate all f the price list changes

DELIVERY

The merchandises always travel by account and risk of the buyer, even in the cases of special agreements.

COMPLAINTS

Complaints or manufacture defects must be notified within the next 15 days of the reception of the merchandise, rejecting those made after of the deadline.

Refund material will not be accepted without an existing agreement supported by a document facilitated by our Commercial Department.

All returns will be shipping charged. The demerit charge in returns is 15%, and if these were in poor condition the refund would not be accepted.

GUARANTEE

Our warranty covers only and exclusively the replacement of material or defective items. Once those are reviewed and accepted by our Technical Department this defect. Any wrongful manipulation or different utilization of the material for whom have been conceived invalidates automatically this guarantee.

LITIGATION

In case of dispute, both parties agree to submit their differences to courts and tribunals of Girona (Spain). VASEN/(EGB) reserves the right to change in all or in part the design and the materials of any of their products.

VASEN

MULTILAYER PERT-AL-PERT
PIPES AND FITTINGS





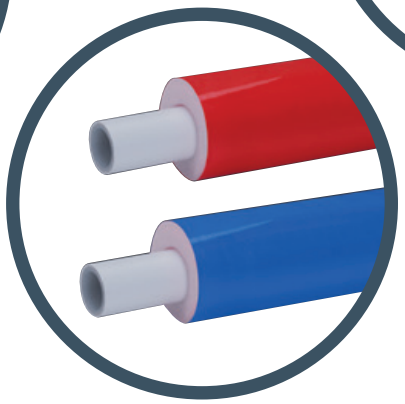






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CHARACTERISTICS

Over the past 50 years, traditional pipes and fittings have come a long way. From welded copper pipes and fittings to compression brass fittings and in more recent times push-fit systems. Advancement in technology, materials and application taking one step forward at a time. The introduction of press tubing and fittings dates back 20 years. The need for a lighter, safer and more practical way of plumbing compared to traditional copper was necessary.

Press-fitting technology and multilayer pipe were seen as the way to proceed. Offering more than 50% speed in installation time and 30% less accessories required when compared to other conventional systems.

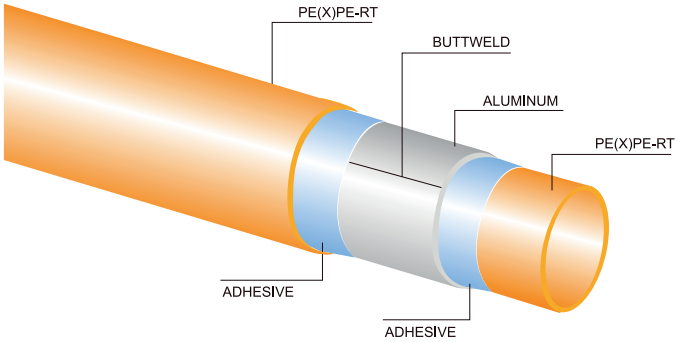
With the increasing demand for high quality multilayer pipe and pressure fittings, VASEN introduces the press-fitting system. A full range of multilayer pipe and pressure fittings. This system is available in high quality brass: CW617N.

VASEN

ADVANTAGES

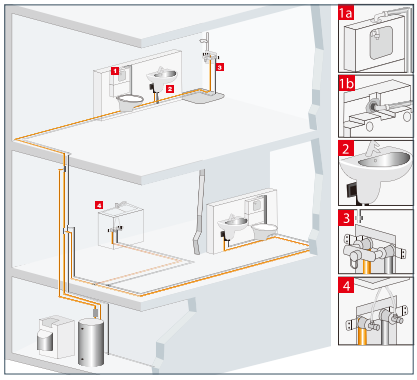
VASEN multilayer pipe is composed of 5 layers that are made up of an inner and outer layer of PERT, a central layer of aluminum, joined together by two layers of adhesive. The aluminum layer is butt welded to give a complete oxygen barrier. Compared to other traditional systems, the VASEN system offers significant advantages.

Quick and safe installation.
- Easy pipe installation, simply bend and tighten, therefore fewer accessories.
- No welding or threading.
- No copper, no theft.
- Free of corrosion.
- No guesswork, the press tool will know the degree of tension.
- High pressure and temperature resistance.
- Resistance to stress cracking and fracturing, as well as impact shock.
- Effective response to water hammer that may occur.
- Light weight, which makes it easy to install and transport.
- Easy bending without loss of rigidity.
- Can be used with all types of water.
- Smooth interior surface, thus avoiding scale build-up.
- Resistant to corrosion.
- Very low thermal expansion; much lower than in plastic pipes.
- Minimum expansion length.
- Resistant to pressure and temperature.
- They do not alter the taste or smell of the water.
- They do not conduct electricity.
- Excellent acoustic insulation.

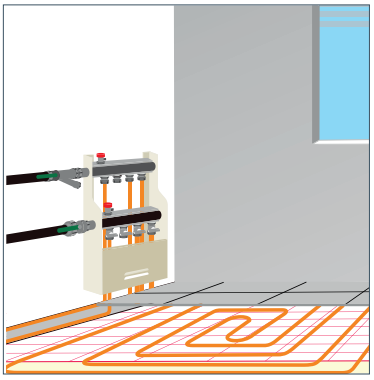


APPLICATION FIELDS

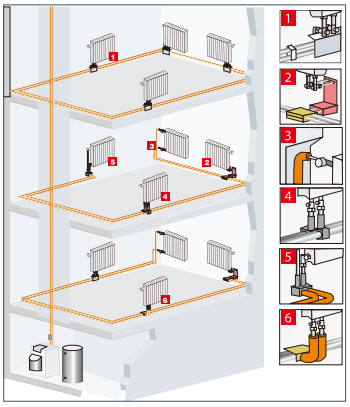
VASEN multilayer system can be used for potable water, underfloor heating and all general plumbing, heating and cooling installations in residential, industrial and commercial environments.



Hot and cold water

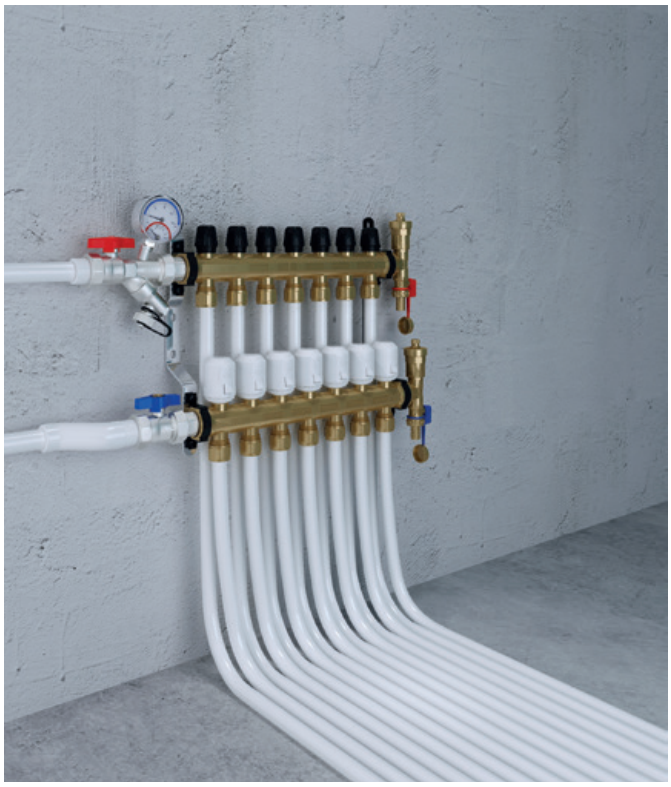


Underfloor heating



Radiators

CONNECTION METHODS



Cutting and calibrate

Cutting the pipe
The cut must be completely perpendicular to the pipe, using a special scissors for cutting multilayer pipe. A cut with a certain obliqueness can cause the union to be incorrect.



Calibration to round the tube
When cutting, the multilayer pipe can be slightly deformed due to its internal layers, so it is necessary to round the pipe using a caliper that chamfered the end of the pipe.
A reamer is used for this, in such a way that it is inserted into the pipe (depending on the diameter), rotated and pushed to remove burrs and rough or cutting edges. Incorrect calibration causes damage to the O-ring on insert.



1. Press Fittings

Inserting the pipe into the accessory
The pipe is inserted up to the top of the accessory. To verify this maneuver, the multilayer accessories have holes through which it can be seen the blank pipe , indicating that it has been performed correctly.



Pressing
First of all, make sure that the clamp used is the correct one according to the accessory and pipe. The jaw placement is on the metal cap, right next to the white piece (cap-holder), under no circumstances on it. After pressing, remove the clamp and inspect the gasket to ensure complete press.



2. Compression Fittings

Inserting the pipe into the accessory
The pipe is inserted up to the top of the accessory.

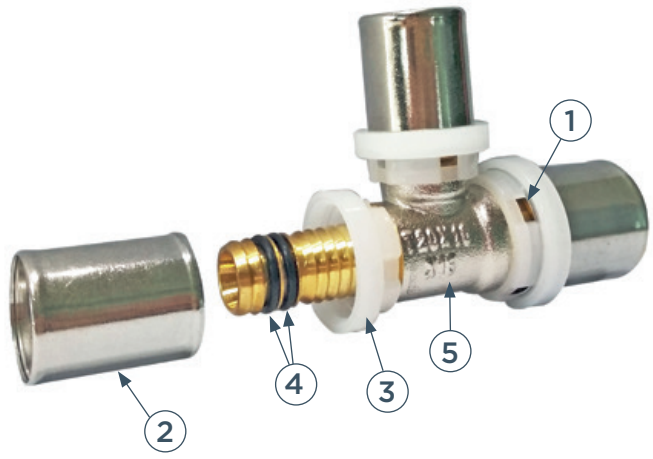


Tighten the bolts
For the installation of compression fittings, the seal is carried out simply by tightening a nut with a norma wrench. This operation causes the deformation of a compression ring which compresses the multilayer pipe which is inserted into it.



TECHNICAL SPECIFICATIONS

		DIAMETER X THICKNESS (mm)			
SPECIFICATIONS	Unit	16 x 2.0	20 x 2.0	25 x 2.5	32 x 3.0
External diameter	mm	16	20	25	32
Internal diameter	mm	12	16	20	26
Thickness	mm	2	2	2,5	3
Aluminum layer thickness	mm	0,21	0,25	0,3	0,35
Volume water content	l/m	0,113	0,201	0,314	0,531
Unladen weight	Kg/m	0,104	0,108	0,16	0,403
Coil length	m	25/50/100			50
Bar length	m	4	4	4	4
Manual bend radius	mm	80	100	100	-
Radius of curvature with internal spring	mm	45	60	60	-
Thermal conduction coefficient	w/mk	0,43	0,43	0,43	0,43
Linear thermal expansion coefficient	mm/m·K	0,026	0,026	0,026	0,026
Internal surface roughness of the pipe	mm	0,007	0,007	0,007	0,007
DIN4726 oxygen diffusion, 40 ° C	mg/ld	0	0	0	0
Maximum operating temperature	°C	95	95	95	95
Minimum operating temperature	°C	-10	-10	-10	-10
Peak temperature (maximum duration 1h)	°C	110	110	110	110
Maximum operating pressure	bar	6	6	6	6
Brass body	CW617N according to EN ISO 21003				
Bushings	304 grade stainless steel				
O-rings	EPDM				
Profile type	Type U/TH/RF				



1. Pipe introduction check hole
2. Grade 304 stainless steel bushing
3. Cap-holder for clamping
4. EPDM O-rings
5. Brass body CW617N

PROFILE TYPE - U/TH/RF

PIPE IN COILS



TUBO EN ROLLO
TUBE EN BOBINE
TUBO EM ROLO

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€ / m
MPF.TR1625	16 X 2.0	25	1	25	**1,159**
MPF.TR1600	16 X 2.0	100	1	100	**1,159**
MPF.TR1620	16 X 2.0	200	1	200	**1,159**
MPF.TR2025	20 X 2.0	25	1	25	**1,682**
MPF.TR2000	20 X 2.0	100	1	100	**1,682**
MPF.TR2550	25 X 2.5	50	1	100	**2,624**
MPF.TR3250	32 X 3.0	50	1	50	**3,973**

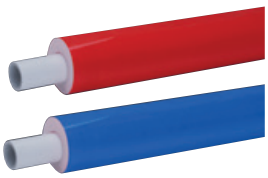
PIPE IN BARS



TUBO EN BARRA
TUBE EN BARRE
TUBO EM BARRA

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€ / m
MPF.TB164	16 X 2.0	4.0	25	100	**1,268**
MPF.TB204	20 X 2.0	4.0	20	80	**1,735**
MPF.TB254	25 X 2.5	4.0	10	40	**2,960**
MPF.TB324	32 X 3.0	4.0	5	20	**4,556**
MPF.TB404	40 X 4.0	4.0	4	16	**8,722**
MPF.TB504	50 X 4.5	4.0	3	12	**12,655**
MPF.TB634	63 X 6.0	4.0	2	8	**21,433**

INSULATED TUBE IN COIL - BLUE / RED



TUBO AISLADO EN ROLLO - AZUL/ROJO
TUBE ISOLÉ EN BOBINE - BLEU / ROUGE
TUBO ISOLADO EM ROLO - AZUL / VERMELHO

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€ / m
MPF.TRAA1650	16 X 2.0	50	1	50	**2,070**
MPF.TRAA2050	20 X 2.0	50	1	50	**2,683**
MPF.TRAA2525	25 X 2.5	25	1	25	**4,094**
MPF.TRAA3225	32 X 3.0	25	1	25	**5,955**
MPF.TRAR1650	16 X 2.0	50	1	50	**2,070**
MPF.TRAR2050	20 X 2.0	50	1	50	**2,683**
MPF.TRAR2525	25 X 2.5	25	1	25	**4,094**
MPF.TRAR3225	32 X 3.0	25	1	25	**5,955**

STRAIGHT CONNECTOR

MANGUITO
MANCHON
UNIÃO



Ref.	DN	U/B	U/C	€ / Uni.
MPF.M16	16	45	360	**2,213**
MPF.M20	20	36	288	**3,033**
MPF.M25	25	20	160	**5,297**
MPF.M32	32	12	96	**7,405**
MPF.M40	40	1	60	**16,850**
MPF.M50	50	1	36	**21,668**
MPF.M63	63	1	15	**44,361**

REDUCER

REDUCCIÓN
REDUCTION
REDUÇÃO



Ref.	DN	U/B	U/C	€ / Uni.
MPF.MRD2016	20-16	37	296	**2,845**
MPF.MRD2516	25-16	20	160	**4,132**
MPF.MRD2520	25-20	20	160	**4,364**
MPF.MRD3220	32-20	15	120	**5,549**
MPF.MRD3225	32-25	12	96	**6,660**
MPF.MRD4025	40-25	1	72	**13,588**
MPF.MRD4032	40-32	1	60	**13,633**
MPF.MRD5032	50-32	1	50	**17,343**
MPF.MRD5040	50-40	1	42	**18,827**
MPF.MRD6340	63-40	1	20	**37,794**
MPF.MRD6350	63-50	1	20	**39,264**

ELBOW 90°

CODO 90º
COUDE 90º
CURVA 90º



Ref.	DN	U/B	U/C	€ / Uni.
MPF.C16	16	32	256	**2,904**
MPF.C20	20	22	176	**4,100**
MPF.C25	25	11	88	**6,787**
MPF.C32	32	8	64	**10,563**
MPF.C40	40	1	40	**24,678**
MPF.C50	50	1	26	**36,888**
MPF.C63	63	1	10	**65,128**

DN: mm • U/B: Units per bag • U/C: Units per box

RADIATOR ELBOW 90°



CODO 90º RADIADOR
COUDE 90º RADIATEUR
CURVA 90º RADIADOR

Ref.	DN	U/B	U/C	€ / Uni.
MPF.CRA16	16	1	50	**12,872**

EQUAL TEE



TE IGUAL
TÉ ÉGAL
TÊ IGUAL

Ref.	DN	U/B	U/C	€ / Uni.
MPF.T16	16	20	160	**3,913**
MPF.T20	20	14	112	**5,303**
MPF.T25	25	8	64	**9,713**
MPF.T32	32	4	32	**13,803**
MPF.T40	40	1	25	**37,087**
MPF.T50	50	1	15	**51,413**
MPF.T63	63	1	6	**91,689**

REDUCED TEE



TE REDUCCIÓN
TÉ RÉDUCCION
TÊ REDUÇÃO

Ref.	DN	U/B	U/C	€ / Uni.
MPF.TR162016	16-20-16	18	144	**4,749**
MPF.TR201616	20-16-16	20	160	**4,571**
MPF.TR201620	20-16-20	18	144	**4,759**
MPF.TR202016	20-20-16	18	144	**5,245**
MPF.TR251625	25-16-25	10	80	**7,836**
MPF.TR252020	25-20-20	10	80	**7,190**
MPF.TR252520	25-25-20	7	56	**8,739**
MPF.TR252025	25-20-25	8	64	**9,633**
MPF.TR321632	32-16-32	7	56	**10,640**
MPF.TR322032	32-20-32	7	56	**11,337**
MPF.TR322525	32-25-25	6	48	**11,072**
MPF.TR322532	32-25-32	6	48	**12,006**
MPF.TR402540	40-25-40	1	28	**27,316**
MPF.TR403240	40-32-40	1	28	**27,418**
MPF.TR502550	50-25-50	1	21	**34,301**
MPF.TR503250	50-32-50	1	21	**37,911**
MPF.TR504050	50-40-50	1	18	**40,134**
MPF.TR634063	63-40-63	1	10	**74,027**
MPF.TR635063	63-50-63	1	8	**76,139**

DN: mm • U/B: Units per bag • U/C: Units per box

FEMALE STRAIGHT CONNECTOR

MANGUITO ROSCA HEMBRA
COUPLEUR FILETAGE FEMELLE
UNIÃO ROSCA FÊMEA



Ref.	DN	U/B	U/C	€ / Uni.
MPF.MRH1612	16×1/2	40	320	**2,890**
MPF.MRH2012	20×1/2	40	320	**3,065**
MPF.MRH2034	20×3/4	30	240	**3,874**
MPF.MRH2534	25×3/4	20	160	**4,480**
MPF.MRH251	25×1	18	144	**6,139**
MPF.MRH321	32×1	18	144	**6,572**
MPF.MRH401	40x1	1	64	**14,301**
MPF.MRH40114	40x1 1/4	1	84	**15,708**
MPF.MRH40112	40x1 1/2	1	54	**16,686**
MPF.MRH50112	50x1 1/2	1	48	**20,513**
MPF.MRH632	63x2	1	20	**37,773**

MALE STRAIGHT CONNECTOR

ENTRONQUE ROSCA MACHO
COUPLEUR FILETAGE MALE
UNIÃO ROSCA MACHO



Ref.	DN	U/B	U/C	€ / Uni.
MPF.ERM1612	16×1/2	50	400	**2,499**
MPF.ERM2012	20×1/2	40	320	**2,872**
MPF.ERM2034	20×3/4	35	280	**3,670**
MPF.ERM201	20×1	24	192	**4,588**
MPF.ERM2534	25×3/4	18	144	**4,490**
MPF.ERM251	25×1	16	128	**6,057**
MPF.ERM321	32×1	12	96	**6,523**
MPF.ERM32114	32×1 1/4	8	64	**10,416**
MPF.ERM40114	40×1 1/4	1	64	**15,853**
MPF.ERM50112	50x1 1/2	1	45	**21,294**
MPF.ERM632	63x2	1	20	**39,847**

DN: mm • U/B: Units per bag • U/C: Units per box

FEMALE ELBOW



CODO ROSCA HEMBRA
COUDE FILETAGE FEMELLE
CURVA ROSCA FÊMEA

Ref.	DN	U/B	U/C	€ / Uni.
MPF.CRH1612	16×1/2	30	240	**3,539**
MPF.CRH2012	20×1/2	25	200	**3,996**
MPF.CRH2034	20×3/4	20	160	**5,211**
MPF.CRH2534	25×3/4	15	120	**5,966**
MPF.CRH251	25X1	8	64	**7,490**
MPF.CRH321	32×1	8	64	**9,474**

MALE ELBOW



CODO ROSCA MACHO
COUDE FILETAGE MALE
CURVA ROSCA MACHO

Ref.	DN	U/B	U/C	€ / Uni.
MPF.CRM1612	16X1/2	30	240	**3,658**
MPF.CRM2012	20×1/2	20	160	**3,996**
MPF.CRM2034	20X34	18	144	**5,303**
MPF.CRM2534	25×3/4	15	120	**6,866**
MPF.CRM321	32×1	8	64	**9,678**

PLATE ELBOW



CODO PLACA
COUDE PLAQUE
CURVA COM PATER

Ref.	DN	U/B	U/C	€ / Uni.
MPF.CP1612	16×1/2	15	120	**5,325**
MPF.CP2012	20×1/2	14	112	**5,881**

FEMALE TEE



TE ROSCA HEMBRA
TE FILETAGE FEMELLE
TE ROSCA FÊMEA

Ref.	DN	U/B	U/C	€ / Uni.
MPF.TRH1612	16×1/2	16	128	**4,673**
MPF.TRH2012	20×1/2	15	120	**5,752**
MPF.TRH2512	25X1/2	10	80	**8,448**
MPF.TRH2534	25X3/4	8	64	**9,325**
MPF.TRH3234	32X3/4	4	32	**11,741**
MPF.TRH321	32X1	4	32	**13,554**

FEMALE THREADED MOBILE CONNERCTOR

MANGUITO ROSCA HEMBRA MÓVIL
COUPLEUR FILETAGE FEMELLE MOBILE
UNIÃO ROSCA FÊMEA MÓVEL



Ref.	DN	U/B	U/C	€ / Uni.
MPF.MM1612	16x1/2	40	320	**2,950**
MPF.MM2034	20X3/4	30	240	**4,375**
MPF.MM2534	25X34	18	144	**5,871**
MPF.MM321	32X1	14	112	**8,984**

END CAP

TAPÓN
BOUCHON
TAMPÃO



Ref.	DN	U/B	U/C	€ / Uni.
MPF.TAP16	16	75	600	**1,838**
MPF.TAP20	20	50	400	**1,956**

MANIFOLD

COLECTOR
COLLECTEUR
COLETOR



Ref.	DN	U/B	U/C	€ / Uni.
MPF.C2T3412	3/4"x1/2"-2	1	1	**7,850**
MPF.C3T3412	3/4"x1/2"-3	1	1	**10,550**
MPF.C4T3412	3/4"x1/2"-4	1	1	**13,450**

EUROCONO FOR MULTILAYER PIPING

EUROCONO
EUROCONO POUR TUYAUTERIE MULTICOUCHE
EUROCONO PARA TUBO MULTICAMADA



Ref.	DN	U/B	U/C	€ / Uni.
MPF.ADAP16	16x1/2"	45	360	**2,910**

DN: mm • U/B: Units per bag • U/C: Units per box

STRAIGHT CONNECTOR



MANGUITO
MANCHON
UNIÃO

Ref.	DN	U/B	U/C	€ / Uni.
MCF.M16	16	25	200	**4,490**
MCF.M20	20	20	160	**6,610**
MCF.M25	25	11	88	**11,955**
MCF.M32	32	7	56	**16,600**

REDUCER



REDUCCIÓN
REDUCTION
REDUÇÃO

Ref.	DN	U/B	U/C	€ / Uni.
MCF.MRD2016	20-16	24	192	**5,995**
MCF.MRD2516	25-16	15	120	**8,940**
MCF.MRD2520	25-20	15	120	**9,386**
MCF.MRD3220	32-20	8	64	**12,828**
MCF.MRD3225	32-25	8	64	**14,098**

ELBOW 90°



CODO 90º
COUDE 90º
CURVA 90º

Ref.	DN	U/B	U/C	€ / Uni.
MCF.C16	16	20	160	**4,745**
MCF.C20	20	14	112	**6,926**
MCF.C25	25	8	64	**9,505**
MCF.C32	32	5	40	**14,396**

EQUAL TEE



TE IGUAL
TÉ ÉGAL
TÊ IGUAL

Ref.	DN	U/B	U/C	€ / Uni.
MCF.T16	16	14	112	**6,562**
MCF.T20	20	10	80	**10,628**
MCF.T25	25	6	48	**19,682**
MCF.T32	32	4	32	**24,297**

REDUCED TEE

TE REDUCCIÓN
TÉ RÉDUCCION
TÊ REDUÇÃO



Ref.	DN	U/B	U/C	€ / Uni.
MCF.TR162016	16-20-16	12	96	**8,819**
MCF.TR201616	20-16-16	12	96	**9,347**
MCF.TR201620	20-16-20	12	96	**9,792**
MCF.TR202016	20-20-16	12	96	**10,160**
MCF.TR251625	25-16-25	8	64	**13,963**
MCF.TR252020	25-20-20	6	48	**13,511**
MCF.TR252520	25-25-20	6	48	**15,798**
MCF.TR252025	25-20-25	6	48	**14,766**
MCF.TR321632	32-16-32	5	40	**19,660**
MCF.TR322032	32-20-32	4	32	**20,879**
MCF.TR322532	32-25-32	4	32	**22,538**

FEMALE STRAIGHT CONNECTOR

MANGUITO ROSCA HEMBRA
COUPLEUR FILETAGE FEMELLE
UNIÃO ROSCA FÊMEA



Ref.	DN	U/B	U/C	€ / Uni.
MCF.MRH1612	16×1/2	40	320	**3,273**
MCF.MRH2012	20×1/2	30	240	**4,572**
MCF.MRH2034	20×3/4	25	200	**4,914**
MCF.MRH2534	25×3/4	20	160	**8,011**
MCF.MRH251	25×1	12	96	**9,275**
MCF.MRH321	32×1	8	64	**11,764**

MALE STRAIGHT CONNECTOR

ENTRONQUE ROSCA MACHO
COUPLEUR FILETAGE MALE
UNIÃO ROSCA MACHO



Ref.	DN	U/B	U/C	€ / Uni.
MCF.ERM1612	16×1/2	40	320	**3,123**
MCF.ERM2012	20×1/2	30	240	**4,303**
MCF.ERM2034	20×3/4	30	240	**4,474**
MCF.ERM2534	25×3/4	15	120	**7,213**
MCF.ERM251	25×1	15	120	**7,814**
MCF.ERM321	32×1	8	64	**12,481**

DN: mm • U/B: Units per bag • U/C: Units per box

FEMALE ELBOW



CODO ROSCA HEMBRA
COUDE FILETAGE FEMELLE
CURVA ROSCA FÊMEA

Ref.	DN	U/B	U/C	€ / Uni.
MCF.CRH1612	16×1/2	25	200	**4,181**
MCF.CRH2012	20×1/2	20	160	**4,943**
MCF.CRH2034	20×3/4	16	128	**5,750**
MCF.CRH2534	25×3/4	12	96	**9,504**
MCF.CRH321	32×1	6	48	**13,263**

MALE ELBOW



CODO ROSCA MACHO
COUDE FILETAGE MALE
CURVA ROSCA MACHO

Ref.	DN	U/B	U/C	€ / Uni.
MCF.CRM1612	16X1/2	25	200	**4,441**
MCF.CRM2012	20×1/2	20	160	**5,368**
MCF.CRM2034	20X34	20	160	**6,773**
MCF.CRM2534	25×3/4	12	96	**8,901**

PLATE ELBOW



CODO PLACA
COUDE PLAQUE
CURVA COM PATER

Ref.	DN	U/c	U/C	€ / Uni.
MCF.CP1612	16×1/2	16	128	**5,199**
MCF.CP2012	20×1/2	14	112	**7,007**

FEMALE TEE



TE ROSCA HEMBRA
TE FILETAGE FEMELLE
TE ROSCA FÊMEA

Ref.	DN	U/B	U/C	€ / Uni.
MCF.TRH1612	16×1/2	18	144	**6,425**
MCF.TRH2012	20×1/2	14	112	**9,091**

EMBEDDED BALL VALVE

VÁLVULA BOLA EMPOTRAR
VANNE A BOULE ENCASTRÉ
VÁLVULA DE BOLA DE ENCASTRAR



Ref.	DN	U/B	U/C	€ / Uni.
MPF.VE16	16	5	40	**12,509**
MPF.VE20	20	5	40	**12,929**
MPF.VE25	25	5	40	**16,971**
MPF.VE232	32	4	32	**19,500**

"U" BALL VALVE

VÁLVULA BOLA "U"
VANNE A BOULE "U"
VÁLVULA DE BOLA "U"



Ref.	DN	U/B	U/C	€ / Uni.
MPF.VU16	16	1	1	**16,790**
MPF.VU20	20	1	1	**17,258**
MPF.VU25	25	1	1	**18,850**

DN: mm • U/B: Units per bag • U/C: Units per box

FLUSH VALVE EXTENSION



ALARGADOR PARA VÁLVULA DE EMPOTRAR
EXTENSION VANNE ENCASTRÉE
ALARGADOR PARA VÁLVULA DE ENCASTRAR

Ref.	DN	U/B	U/C	€ / Uni.
ALARG1525	16-20-25	1	1	**2,057**

HANDLE FOR FLUSH VALVE



REG. MANETA PARA VÁLVULA DE EMPOTRAR C/FLORÓN
RÉGULATION LEVIER POUR VANNE ENCASTRÉE
MANETE P/ VÁLVULA DE ENCASTRAR

Ref.	DN	U/B	U/C	€ / Uni.
RM	16-20-25	1	50	**6,290**

KNOB HANDLE FOR FLUSH VALVE



REG. POMO PARA VÁLVULA DE EMPOTRAR C/FLORÓN
RÉGULATION POIGNÉE POR VANNE ENCASTRÉE
MANIPULO P/ VÁLVULA DE ENCASTRAR

Ref.	DN	U/B	U/C	€ / Uni.
RP	16-20-25	1	50	**5,461**

HIDDEN HANDLE FOR FLUSH VALVE



REG. OCULTA PARA VÁLVULA DE EMPOTRAR C/FLORÓN
RÉGULATION CACHÉ POUR VANNE ENCASTRÉE
MANIPULO OCULTO P/ VÁLVULA DE ENCASTRAR

Ref.	DN	U/B	U/C	€ / Uni.
RO	16-20-25	1	50	**4,861**

EXTERIOR SPRING

MUELLE EXTERIOR
RESSORT EXTÉRIEUR
MOLA EXTERIOR



Ref.	DN	U/B	U/C	€ / Uni.
MPF.CVE16	16	1	50	**7,254**
MPF.CVE20	20	1	50	**8,779**
MPF.CVE25	25	1	25	**9,373**
MPF.CVE32	32	1	20	**12,631**

PIPE CUTER

CORTATUBOS
CUT TUYAUX
CORTA TUBOS



Ref.	DN	U/B	U/C	€ / Uni.
MPF.TIS	16-20-25-32	1	20	**122,895**

SCARIATOR

ESCARIADOR
SCARIATOR
ESCARIADOR



Ref.	DN	U/B	U/C	€ / Uni.
MPF.ESC2032	20-25-32	1	25	**17,705**

DN: mm • U/B: Units per bag • U/C: Units per box

CERTIFICATES

VASEN has the quality certificates to carry out any type of installation with the security of being working with a leading company in its sector.



GENERAL CONDITIONS OF SALE

PRICES

Prices are understood in our warehouse. The shipping is charged to the customer, unless otherwise indicated.

SHIPPING CHARGE

To be agreed between the parties.

PAYMENT CONDITIONS

To be agreed between the parties.

PRICE LIST

VASEN (EGB) will opportunely communicate all f the price list changes.

DELIVERY

The merchandises always travel by account and risk of the buyer, even in the cases of special agreements.

COMPLAINTS

Complaints or manufacture defects must be notified within the next 15 days of the reception of the merchandise, rejecting those made after of the deadline.

Refund material will not be accepted without an existing agreement supported by a document facilitated by our Commercial Department.

All returns will be shipping charged. The demerit charge in returns is 15%, and if these were in poor condition the refund would not be accepted.

GUARANTEE

Our warranty covers only and exclusively the replacement of material or defective items. Once those are reviewed and accepted by our Technical Department this defect. Any wrongful manipulation or different utilization of the material for whom have been conceived invalidates automatically this guarantee.

LITIGATION

In case of dispute, both parties agree to submit their differences to courts and tribunals of Girona (Spain). **VASEN/(EGB)** reserves the right to change in all or in part the design and the materials of any of their products.

VASEN

POLYETHYLENE FITTINGS

ELECTROFUSION / BUTT FUSION



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CHARACTERISTICS

General

The plastics industry is more than 100 years old, but polyethylene was not invented until the 1930´ s. Since its discovery in 1933, Polyethylene (PE) has grown to be one of the world´s most widely used and recognized thermoplastic materials. Today´s modern are highly engineered for much more rigorous applications such as pressure-rated gas and water pipe, landfill membranes, automotive fuel tanks and other demanding applications.

Polymers which consist only of carbon and hydrogen are called polyolefins. Polyethylene (PE) belongs to this group. It is a semicrystalline thermoplastic. Polyethylene is the most known standard polymer. The chemical formula is (CH2-CH2)n. It is an environmentally friendly hydrocarbon product.

Types of PE raw material

The physical properties of PE materials are specific to each grade or type, and can be modified by both variations in density, and in the molecular weight distribution. A large number of grades of PE materials are used in pipe and fittings systems and the specific properties are tailored for the particular application.

The most general types of PE materials are as follows:

Low Density PE (LDPE)

The density of LDPE ranges between 0.910-0.940 g/cm3 and LDPE exhibits high flexibility and retention of properties at low temperature. The main use for LDPE in piping is in the micro irrigation or dripper tube applications with sizes up to 32 mm diameter.

LDPE materials may be modified with elastomers (rubber modified) to improve Environmental Stress Crack Resistance (ESCR) values in micro irrigation applications where pipes operate in exposed environments whilst carrying agricultural chemical.

Medium density PE (MDPE)

MPDE base resin is manufactured using a low-pressure polymerization process, and the limited side branch chain structure results in a material density range of 0,930-0,940 g/cm3. MPDE materials qualify as PE63 and PE80.

MPDE materials provide improved pipe properties when compared to the earlier high-density materials used in pipes. These properties include life, flexibility, ductility, slow crack growth resistance and crack propagation resistance.

These properties of the MPDE materials are utilized in gas reticulation, small diameter pipe coils, travelling irrigator coils and water reticulation applications.

APPLICATION FIELDS

High Density PE (HDPE)

HDPE base resins are manufactured in a low-pressure process, resulting in a chain structure with small side branches and a material density range of 0,930-0,960 g/cm3. HDPE materials qualify as PE80 and PE100 in accordance with ISO 4427.

HDPE materials are widely used in both pressure and non pressure applications such as water supply, drains, outfalls, and sewers in pipe sizes up to 1000 mm diameter. The increased stiffness of HDPE is used to advantage in such applications as electrical and communications conduits, drainage, sewer and storm water.

- **Potable water pipe networkse** for water supply to cities and counties.
- **Gas distribution networks.**
- **Sanitary networks.**
- **Storm water drainage.**
- **Pipe networks for swimming pool.**
- **HVAC- Heating, Ventilation and Air Conditioning.** VASEN PE piping system for GSHP (Ground Source Heat Pump) application.
- **Pipe networks for irrigation.**
- **Transportation of suspension solids,** in mine industry, etc.

ADVANTAGES

- **Lightweight.**
  The density of PE materials is only 0,93-0,96 g/cm3. The weight of PE pipe is much less than that of concrete, cast iron, or steel pipe. The PE piping system is easy to handle and install, and reduced manpower and equipment requirements may result in installation savings.
- **Flexibility.**
  In some instances, the pipe´s flexibility may remarkably eliminate the usage of fittings and greatly reduce installation costs. HDPE pipe can be bent to a minimum radius between 20 to 40 times the diameter of pipe, which mainly depends on the SDR of the certain pipe.
- **Chemical and corrosion resistance.**
  VASEN HDPE fittings and pipe have an excellent corrosion resistance against most chemical substances in systems of potable water, irrigation, sanitary and drains. The PEAD is anti-corrosive and it is not oxidized long time.
- **Odorless and insipid.**
- **Electrical insulating.**
  The PEAD is an electrical conductive and it is not damaged, oxidized or corroded due to the electrolytic action.
- **Thermal insulating.**
- **Low friction coefficient.**
- **Abrasion Resistance.**
  The high resistance to abrasion, flexibility, light weight, and robustness of HDPE VASEN fittings and pipes, has led to their wide usage in applications such as transportation of slurries and mine tailings.
- **Ease of installation and union.**
  Electrofusion and Butt fusion.
- **Recyclable.**
- **Long expectancy life**
  When the temperature is 20°C, the expectancy life is 50 years.

VASEN

CONNECTION METHODS

1.ELECTROFUSION

- **Cut the pipe.**
  Cut the ends of the pipes rectangular and deburr them thoroughly.
- **Measure welding depth.**
  Measure the vertical length between the fitting end and the limit circle (measure half length of the fittings if the without limit circle).
- **Mark welding depth.**
  Mark the depth of electrofusion fitting on the ends of the pipes.
- **Peel pipe end surface.**
  Peel the surface of the pipes up to the marks thoroughly with a peeling tool (0.1-0.3 mm thickness), and deburr. (It is a necessary procedure).
- **Clean up welding area.**
  Clean the welding area of the pipes and fitting with isopropanol, completely dry the fusion area with clean cloth. Do not touch the clean and dry fusion area of pipes or fittings with hands.
- **Mark welding depth**
  Mark the depth of electrofusion fitting again on the ends of the pipes.
- **Insert into the fitting.**
  Push the electrofusion sockets on the clean and dry end of the pipe (up to the marked depth) and check the fitness.

  Clamp the pipes and fittings at the same axis, ensure not move during fusion.
- **Plug in the electrodes.**
  Attach the electrode plugs of the welding machine to the electrode of the fittings, to ensure fully contact.
- **Electric weld.**
  Read the bar code on the fittings by scanning pen or input the welding parameter manually. Check the welding parameter showed on the machine, such as product type, voltage, heating and cooling time. Press “Start” button to carry on welding. Do not move or stress pipe and fitting during the whole fusion process and cooling time.
- **Welding check.**
  After fusion process, check and see if the welding indicators are protruded (the welding indicators height vary with fit clearance).

Attention:

1. Input voltage deviation should be not more than 15%, output voltage allowed deviation is within 5%.

2. The electrofusion machine without temperature compensation function should set compensation time.





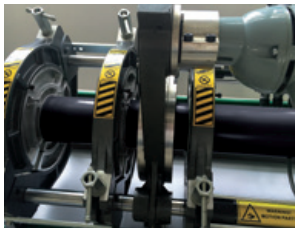






2.BUTT FUSION











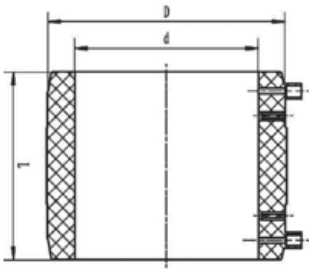
- **Clamp pipes and fittings.**
  Plastic pipes and fittings are aligned and fixed by means of the clamping elements.
- **Check welding parameter.**
  Set welding temperature to 225 5°C, and test the pipe moving pressure.
- **Mill pipe ends.**
  Use the milling machine for milling the pipe end to be plane-parallel. Check if the pipe match, if not, makes adjustment, to ensure the alignment tolerance less than 10%.
- **Heat up.**
  After the heating element has been positioned, the pipes are pushed onto the heating plate with a defined adjusting pressure.

  After reaching the specified bead height the pressure is reduced. This process marks the beginning of the heating time. This time is for heating up the pipe ends up to the right welding temperature.
- **Butt weld.**
  When heating time has expired, divide the machine slide, remove heating element quickly and join the pipes (by putting both parts of the slide together).
- **Hold pressure and cool down.**
  The pipes are fused with the required welding pressure and cooled down under pressure.

ELECTROFUSION COUPLER PE100

MANGUITO ELECTROSOLDABLE PE100
MANCHON ÉLECTROSOUDABLE PE100
UNIÃO ELECTROSSOLDÁVEL PE100



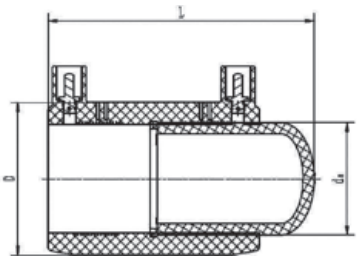


Ref.	d (mm)	D (mm)	L (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAEMAN020	20	32	73	11 - 17.6	16	80	0,063	**3,09**
DAEMAN025	25	40	70	11 - 17.6	16	60	0,070	**2,44**
DAEMAN032	32	47	77	11 - 17.6	16	50	0,090	**2,54**
DAEMAN040	40	56	85	11 - 17.6	16	40	0,123	**2,93**
DAEMAN050	50	68	94	11 - 17.6	16	40	0,168	**3,78**
DAEMAN063	63	81	113	11 - 17.6	16	30	0,243	**4,06**
DAEMAN075	75	96	125	11 - 17.6	16	20	0,365	**7,73**
DAEMAN090	90	116	160	11 - 17.6	16	10	0,670	**8,12**
DAEMAN110	110	141	155	11 - 17.6	16	16	0,656	**10,10**
DAEMAN125	125	159	160	11 - 17.6	16	10	0,930	**14,06**
DAEMAN140	140	177	165	11 - 17.6	16	10	1,538	**18,11**
DAEMAN160	160	203	170	11 - 17.6	16	6	1,800	**21,00**
DAEMAN180	180	230	180	11 - 17.6	16	5	1,860	**31,89**
DAEMAN200	200	254	195	11 - 17.6	16	4	2,833	**36,45**
DAEMAN225	225	279	210	11 - 17.6	16	3	4,500	**67,15**
DAEMAN250	250	312	220	11 - 17.6	16	2	5,350	**71,71**
DAEMAN280	280	348	260	11 - 17.6	16	2	7,250	**100,39**
DAEMAN315	315	392	285	11 - 17.6	16	1	8,800	**118,83**
DAEMAN355	355	429	290	11 - 17.6	16	1	8,300	**164,51**
DAEMAN400	400	455	400	11 - 17.6	16	1	11,200	**283,09**

ELECTROFUSION CAP PE100

TAPÓN ELECTROSOLDABLE PE100
BOUCHON ÉLECTROSOUDABLE PE100
TAMPÃO ELECTROSSOLDÁVEL PE100





Ref.	d (mm)	D (mm)	L (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAETAP020 ▲	20	30	70	11 - 17.6	16	50	0,050	**5,41**
DAETAP025	25	40	79	11 - 17.6	16	50	0,082	**4,85**
DAETAP032	32	47	95	11 - 17.6	16	50	0,100	**5,58**
DAETAP040	40	56	98	11 - 17.6	16	50	0,152	**6,16**
DAETAP050	50	68	118.5	11 - 17.6	16	40	0,430	**7,64**
DAETAP063	63	81	140	11 - 17.6	16	50	0,332	**9,38**
DAETAP075	75	96	157	11 - 17.6	16	36	0,483	**13,17**
DAETAP090	90	116	188	11 - 17.6	16	18	0,928	**16,96**
DAETAP110	110	141	202	11 - 17.6	16	10	1,120	**23,28**
DAETAP125	125	159	206	11 - 17.6	16	6	1,625	**32,13**
DAETAP160	160	203	219	11 - 17.6	16	3	2,933	**47,93**
DAETAP200	200	254	289	11 - 17.6	16	1	4,750	**87,75**

DN: mm • U/B: Units per bag • U/C: Units per box

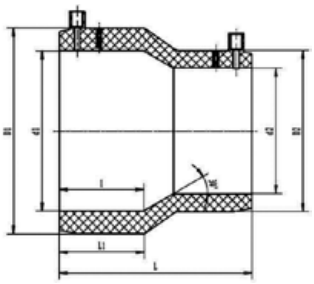
▲ Delivery time on request.

VASEN

ELECTROFUSION REDUCER PE100

REDUCCIÓN ELECTROSOLDABLE PE100
MANCHON RÉDUIT ÉLECTROSOUDABLE PE100
REDUÇÃO ELECTROSSOLDÁVEL PE100





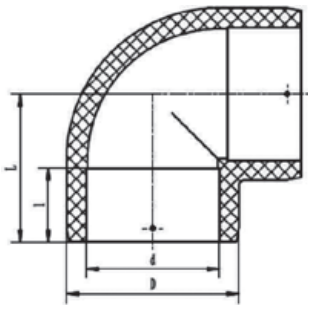
Ref.	d1-d2 (mm)	D1 (mm)	D2 (mm)	L (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAERE2520 ▲	25-20	34	29	69	11 - 17.6	16	60	0,040	**4,74**
DAERE3220 ▲	32-20	47	29	76	11 - 17.6	16	60	0,050	**5,88**
DAERE3225	32-25	47	40	90	11 - 17.6	16	60	0,093	**5,06**
DAERE4025 ▲	40-25	56	40	89	11 - 17.6	16	50	0,100	**6,87**
DAERE4032	40-32	56	47	95	11 - 17.6	16	50	0,120	**5,48**
DAERE5025 ▲	50-25	68	40	100	11 - 17.6	16	40	0,140	**8,29**
DAERE5032	50-32	68	47	108	11 - 17.6	16	40	0,158	**6,16**
DAERE5040	50-40	68	56	107	11 - 17.6	16	40	0,160	**6,16**
DAERE6325 ▲	63-25	81	40	102	11 - 17.6	16	30	0,180	**11,17**
DAERE6332	63-32	81	47	126	11 - 17.6	16	30	0,200	**7,69**
DAERE6340	63-40	81	56	125	11 - 17.6	16	30	0,223	**7,69**
DAERE6350	63-50	81	68	122	11 - 17.6	16	30	0,243	**7,69**
DAERE7563	75-63	96	81	135	11 - 17.6	16	20	0,350	**10,67**
DAERE9050	90-50	116	68	155	11 - 17.6	16	12	0,467	**13,64**
DAERE9063	90-63	116	81	148	11 - 17.6	16	12	1,475	**13,64**
DAERE9075	90-75	116	96	146	11 - 17.6	16	12	0,542	**18,33**
DAERE1163	110-63	141	81	178	11 - 17.6	16	16	0,775	**19,07**
DAERE1175	110-75	141	96	176	11 - 17.6	16	16	0,844	**19,07**
DAERE1190	110-90	141	116	175	11 - 17.6	16	16	0,894	**19,07**
DAERE1263	125-63	159	81	187	11 - 17.6	16	12	1,000	**34,76**
DAERE1290	125-90	159	116	184	11 - 17.6	16	12	1,133	**34,76**
DAERE1211	125-110	159	141	163	11 - 17.6	16	12	1,150	**36,97**
DAERE1690	160-90	203	116	220	11 - 17.6	16	6	1,883	**50,67**
DAERE1611	160-110	203	141	210	11 - 17.6	16	6	2,033	**52,88**
DAERE1612	160-125	203	159	192	11 - 17.6	16	6	1,917	**52,88**
DAERE2090	200-90	254	117	265	11 - 17.6	16	3	3,700	**88,59**
DAERE2011	200-110	254	142	254	11 - 17.6	16	3	3,500	**88,59**
DAERE2016	200-160	256	204	220	11 - 17.6	16	3	3,567	**88,59**
DAERE250160	250-160	314	204	273	11 - 17.6	16	2	5,500	**188,14**
DAERE250200	250-200	314	254	245	11 - 17.6	16	2	2,850	**192,56**
DAERE315200	315-200	396	254	350	11 - 17.6	16	1	10,000	**198,25**
DAERE315250	315-250	396	318	340	11 - 17.6	16	1	10,300	**303,44**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request.

ELECTROFUSION ELBOW 90° PE100



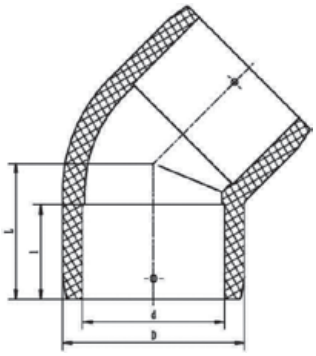


CODO 90º ELECTROSOLDABLE PE100
COUDE 90º ÉLECTROSOUDABLE PE100
CURVA 90º ELECTROSSOLDÁVEL PE100

Ref.	d (mm)	D (mm)	L (mm)	l (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAEC90025	25	24	55	38	11 - 17.6	16	60	0,103	**6,32**
DAEC90032	32	47	62	41	11 - 17.6	16	50	0,128	**6,53**
DAEC90040	40	56	71	46	11 - 17.6	16	40	0,185	**8,69**
DAEC90050	50	68	63	53	11 - 17.6	16	20	0,275	**11,38**
DAEC90063	63	81	100	61	11 - 17.6	16	12	0,400	**12,11**
DAEC90075	75	40	55	38	11 - 17.6	16	10	0,580	**20,23**
DAEC90090	90	94	111	66	11 - 17.6	16	6	1,000	**20,86**
DAEC90110	110	116	122	70	11 - 17.6	16	8	1,688	**29,60**
DAEC90125	125	141	145	82	11 - 17.6	16	6	2,167	**40,24**
DAEC90160	160	177	168	90	11 - 17.6	16	4	4,200	**56,99**
DAEC90180	180	203	182	94	11 - 17.6	16	4	4,150	**91,65**
DAEC90200	200	230	198	99	11 - 17.6	16	2	8,200	**194,88**
DAEC90250	250	257	215	105	11 - 17.6	16	1	8,300	**318,13**

ELECTROFUSION ELBOW 45° PE100





CODO 45º ELECTROSOLDABLE PE100
COUDE 45º ÉLECTROSOUDABLE PE100
CURVA 45º ELECTROSSOLDÁVEL PE100

Ref.	d (mm)	D (mm)	L (mm)	l (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAEC45032	32	47	54	41	11 - 17.6	16	60	0,125	**8,25**
DAEC45040	40	56	62	46	11 - 17.6	16	30	0,163	**8,69**
DAEC45050	50	68	70	53	11 - 17.6	16	25	0,240	**11,38**
DAEC45063	63	81	80	61	11 - 17.6	16	12	0,333	**12,11**
DAEC45075	75	94	88	66	11 - 17.6	16	12	0,492	**20,23**
DAEC45090	90	116	95	70	11 - 17.6	16	6	0,750	**20,86**
DAEC45110	110	141	115	82	11 - 17.6	16	12	1,458	**29,60**
DAEC45125	125	159	118	85	11 - 17.6	16	6	1,567	**47,19**
DAEC45160	160	203	138	94	11 - 17.6	16	4	3,250	**56,99**
DAEC45180	180	230	147	99	11 - 17.6	16	2	5,900	**82,17**
DAEC45200	200	254	165	105	11 - 17.6	16	2	6,150	**194,88**
DAEC45250	250	316	191	120	11 - 17.6	16	1	8,300	**318,13**

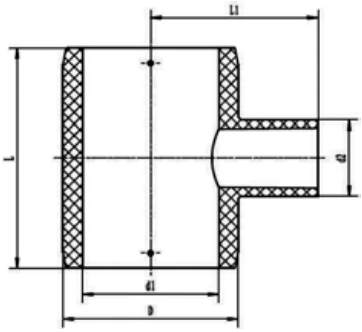
DN: mm • U/B: Units per bag • U/C: Units per box

VASEN

ELECTROFUSION REDUCED TEE PE100

TE REDUCIDA ELECTROSOLDABLE PE100
TÉ RÉDUIT ÉLECTROSOUDABLE PE1000
TÊ REDUZIDO ELECTROSSOLDÁVEL PE100





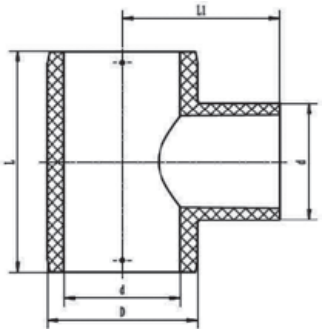
Ref.	d1-d2 (mm)	D (mm)	L (mm)	L1 (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAETR3225	32-25	47	110	63	11 - 17.6	16	40	0,125	**7,69**
DAETR4025	40-25	56	120	72	11 - 17.6	16	30	0,183	**13,27**
DAETR4032	40-32	56	130	75	11 - 17.6	16	30	0,188	**13,27**
DAETR5025	50-25	68	146	78	11 - 17.6	16	18	0,311	**14,85**
DAETR5032	50-32	68	146	81	11 - 17.6	16	18	0,322	**14,85**
DAETR5040	50-40	68	146	81	11 - 17.6	16	18	0,333	**14,85**
DAETR6325	63-25	81	156	86	11 - 17.6	16	12	0,258	**16,85**
DAETR6332	63-32	81	156	90	11 - 17.6	16	12	0,333	**16,85**
DAETR6340	63-40	81	156	94	11 - 17.6	16	12	0,350	**16,85**
DAETR6350	63-50	81	156	98	11 - 17.6	16	12	0,346	**16,85**
DAETR7563	75-63	96	178	115	11 - 17.6	16	10	0,383	**29,02**
DAETR9040	90-40	116	200	115	11 - 17.6	16	15	0,833	**41,19**
DAETR9050	90-50	116	200	125	11 - 17.6	16	15	0,847	**41,19**
DAETR9063	90-63	125	200	125	11 - 17.6	16	15	0,873	**41,19**
DAETR9075 ▲	90-75	125	200	125	11 - 17.6	16	15	0,900	**41,19**
DAETR1140	110-40	141	220	125	11 - 17.6	16	10	1,230	**45,61**
DAETR1150	110-50	141	220	125	11 - 17.6	16	10	1,370	**45,61**
DAETR1163	110-63	141	220	150	11 - 17.6	16	8	1,425	**45,61**
DAETR1175 ▲	110-75	141	220	150	11 - 17.6	16	8	1,450	**45,61**
DAETR1190	110-90	141	220	160	11 - 17.6	16	8	1,488	**45,61**
DAETR1263	125-63	159	220	150	11 - 17.6	16	6	1,933	**56,67**
DAETR1290	125-90	159	245	165	11 - 17.6	16	6	2,000	**56,67**
DAETR1211	125-110	203	257	171	11 - 17.6	16	6	2,217	**56,67**
DAETR1663	160-63	203	238	182	11 - 17.6	16	4	2,850	**104,03**
DAETR1690	160-90	203	277	198	11 - 17.6	16	4	3,300	**104,03**
DAETR1611	160-110	203	277	198	11 - 17.6	16	4	3,600	**104,03**
DAETR1612	160-125	230	290	206	11 - 17.6	16	4	3,650	**104,03**
DAETR2090	200-90	254	285	215	11 - 17.6	16	2	5,450	**231,75**
DAETR2011	200-110	254	310	220	11 - 17.6	16	2	5,850	**231,75**
DAETR2016	200-160	254	360	240	11 - 17.6	16	2	7,100	**231,75**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request.

ELECTROFUSION EQUAL TEE PE100



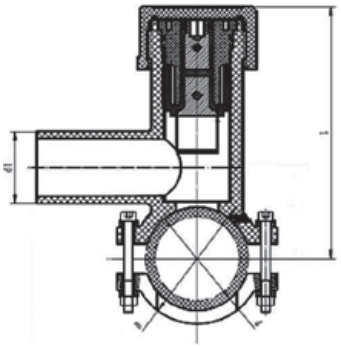


TE IGUAL ELECTROSOLDABLE PE100
TÉ ÉGAL ÉLECTROSOUDABLE PE100
TÊ IGUAL ELECTROSSOLDÁVEL PE100

Ref.	d (mm)	D (mm)	L (mm)	L1 (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAETEI025	25	40	100	64	11 - 17.6	16	40	0,120	**5,79**
DAETEI032	32	47	110	70	11 - 17.6	16	40	0,130	**6,00**
DAETEI040	40	56	127	80	11 - 17.6	16	30	0,200	**9,74**
DAETEI050	50	68	156	100	11 - 17.6	16	15	0,400	**10,96**
DAETEI063	63	81	178	122	11 - 17.6	16	10	0,450	**12,43**
DAETEI075	75	96	191	131	11 - 17.6	16	7	0,660	**21,23**
DAETEI090	90	116	226	144	11 - 17.6	16	10	1,140	**21,60**
DAETEI110	110	141	255	160	11 - 17.6	16	8	1,740	**36,61**
DAETEI125	125	159	270	175	11 - 17.6	16	5	2,300	**46,46**
DAETEI160	160	203	317	211	11 - 17.6	16	3	4,370	**73,74**
DAETEI180	180	230	341	241	11 - 17.6	16	1	8,200	**158,01**
DAETEI200	200	254	400	255	11 - 17.6	16	1	8,500	**198,04**
DAETEI250	250	318	450	310	11 - 17.6	16	1	8,900	**327,61**
DAETEI315	315	396	640	390	11 - 17.6	16	1	14,600	**818,51**

ELECTROFUSION TAPPING TEE PE100





TOMA EN CARGA ELECTROSOLDABLE PE100
PRISE DE BRANCH. ÉLECTROSOUDABLE PE100
TOMADA EM CARGA ELECTROSSOLDÁVEL PE100

Ref.	d-d1 (mm)	D (mm)	L (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAETC4032 ▲	40-32	55	141	11 - 17.6	16	30	0,370	**27,63**
DAETC5032 ▲	50-32	66	110	11 - 17.6	16	30	0,370	**29,18**
DAETC6332	63-32	78	139	11 - 17.6	16	10	2,180	**33,27**
DAETC6340 ▲	63-40	78	155	11 - 17.6	16	25	0,470	**36,04**
DAETC7532 ▲	75-32	91	141	11 - 17.6	16	25	0,440	**37,11**
DAETC9032 ▲	90-32	114	221	11 - 17.6	16	20	0,510	**36,04**
DAETC9040 ▲	90-40	105	186	11 - 17.6	16	20	0,650	**36,04**
DAETC9063	90-63	114	221	11 - 17.6	16	3	2,567	**39,50**
DAETC1132 ▲	110-32	124	216	11 - 17.6	16	10	0,920	**47,64**
DAETC1140 ▲	110-40	130	176	11 - 17.6	16	10	0,950	**47,64**
DAETC1163	110-63	134	231	11 - 17.6	16	10	2,760	**44,56**
DAETC1232 ▲	125-32	140	215	11 - 17.6	16	10	1,010	**51,71**
DAETC1240 ▲	125-40	150	178	11 - 17.6	16	10	1,030	**51,71**
DAETC1263 ▲	125-63	160	178	11 - 17.6	16	10	1,100	**51,71**
DAETC1632 ▲	160-32	180	122	10 - 17.6	16	6	2,460	**65,52**
DAETC1663	160-63	194	271	11 - 17.6	16	10	2,720	**65,52**
DAETC2063	200-63	240	294	11 - 17.6	16	5	3,820	**69,19**

DN: mm • U/B: Units per bag • U/C: Units per box

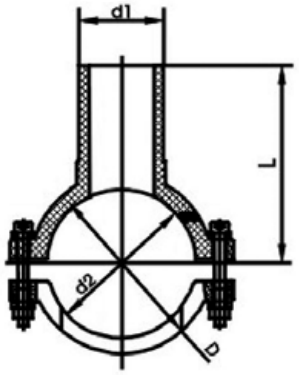
▲ Delivery time on request.

VASEN

ELECTROFUSION BRANCHING SADDLE PE100

COLLARIN MEDIA CAÑA ELECTROSOLDABLE PE100
SELLE DE BRANCH. ÉLECTROSOUDABLE PE100
SAÍDA P/ RAMAL ELECTROSSOLDÁVEL PE100





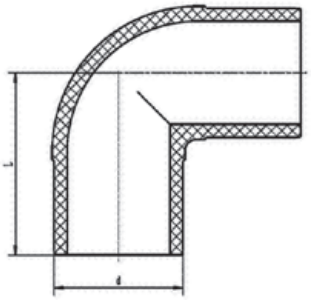
Ref.	d2-d1 (mm)	D (mm)	L (mm)	SDR (min/max)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAEMC4032 ▲	40-32	50	106	11 - 17.6	16	50	0,240	**17,33**
DAEMC5032 ▲	50-32	72	107	11 - 17.6	16	50	0,260	**18,03**
DAEMC6332	63-32	78	99	11 - 17.6	16	20	0,550	**19,34**
DAEMC7532 ▲	75-32	53	118	11 - 17.6	16	25	0,360	**20,05**
DAEMC9032	90-32	114	117	11 - 17.6	16	10	0,900	**20,56**
DAEMC9063 ▲	90-63	110	202	11 - 17.6	16	20	1,080	**24,32**
DAEMC1132	110-32	134	121	11 - 17.6	16	7	1,314	**33,50**
DAEMC1163	110-63	134	147	11 - 17.6	16	6	1,217	**33,50**
DAEMC1232 ▲	125-32	147	164	11 - 17.6	16	12	1,200	**38,77**
DAEMC1263	125-63	154	157	11 - 17.6	16	6	1,267	**38,77**
DAEMC1632 ▲	160-32	175	145	11 - 17.6	16	10	1,650	**41,69**
DAEMC1663	163-63	194	177	11 - 17.6	16	6	1,867	**41,69**
DAEMC2063	200-63	240	200	12 - 17.6	16	8	1,500	**40,45**
DAEMC2090 ▲	200-90	230	190	13 - 17.6	16	6	1,900	**158,87**
DAEMC2563	250-63	300	230	13 - 17.6	16	6	3,183	**140,69**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request.

ELBOW 90° PN 10 PE100



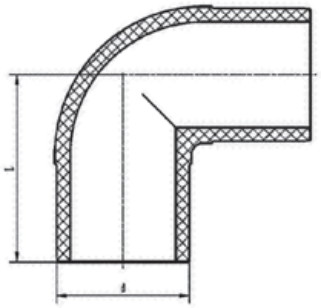


CODO 90º PN 10 PE100
COUDE 90º PN 10 PE100
CURVA 90º PN 10 PE100

Ref.a	d (mm)	L (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PEC900063	63	105	10	50	0,244	**6,85**
PEC900075	75	130	10	30	0,413	**9,16**
PEC900090	90	140	10	24	0,554	**9,90**
PEC900110	110	155	10	10	0,900	**18,40**
PEC900125	125	165	10	8	1,250	**23,41**
PEC900140	140	176	10	6	1,830	**36,92**
PEC900160	160	185	10	5	1,700	**37,88**
PEC900180	180	210	10	4	3,275	**47,51**
PEC900200	200	230	10	2	4,450	**53,31**
PEC900225 ▲	225	385	10	2	4,900	**161,35**
PEC900250	250	276	10	1	8,500	**139,05**
PEC900280	280	445	10	1	11,905	**242,29**
PEC900315	315	330	10	1	15,330	**226,48**

ELBOW 90° PN 16 PE100





CODO 90º PN 16 PE100
COUDE 90º PN 16 PE100
CURVA 90º PN 16 PE100

Ref.	d (mm)	L (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PEC901040	40	102	16	200	0,070	**3,79**
PEC901050	50	125	16	60	0,130	**5,59**
PEC901063	63	105	16	50	0,250	**7,33**
PEC901075	75	130	16	30	0,420	**9,58**
PEC901090	90	140	16	24	0,654	**11,17**
PEC901110	110	155	16	10	1,060	**20,44**
PEC901125	125	165	16	8	1,375	**26,18**
PEC901140	140	176	16	6	1,833	**38,29**
PEC901160	160	185	16	5	2,760	**38,30**
PEC901180	180	210	16	4	3,575	**90,57**
PEC901200	200	230	16	2	5,100	**70,00**
PEC901225	225	385	16	2	5,400	**233,49**
PEC901250	250	276	16	1	8,900	**147,48**
PEC901280	280	445	16	1	12,500	**242,29**
PEC901315	315	330	16	1	16,530	**258,09**

DN: mm • U/B: Units per bag • U/C: Units per box

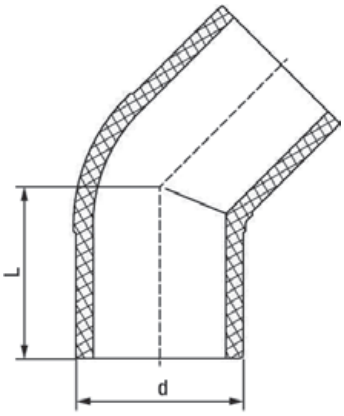
▲ Delivery time on request.

VASEN

ELBOW 45° PN 10 PE100

CODO 45º PN 10 PE100
COUDE 45° PN 10 PE100
CURVA 45° PN 10 PE100



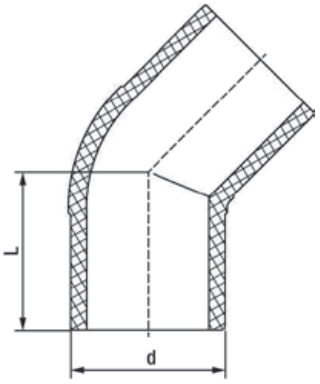


Ref.	d (mm)	L (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PEC450063	63	85	10	32	0,221	**8,12**
PEC450075	75	95	10	26	0,307	**9,38**
PEC450090	90	106	10	20	0,410	**11,53**
PEC450110	110	113	10	15	0,626	**18,43**
PEC450125	125	121	10	10	0,960	**28,71**
PEC450140	140	130	10	8	1,375	**37,13**
PEC450160	160	132	10	6	1,860	**38,92**
PEC450180 ▲	180	155	10	2	2,350	**80,87**
PEC450200	200	165	10	2	2,650	**58,57**
PEC450225	225	180	10	2	2,800	**84,41**
PEC450250	250	193	10	2	2,900	**141,26**
PEC450280	280	212	10	1	8,500	**220,16**
PEC450315	315	230	10	1	13,300	**221,22**

ELBOW 45° PN 16 PE100

CODO 45º PN 16 PE100
COUDE 45º PN 16 PE100
CURVA 45º PN 16 PE100





Ref.	d (mm)	L (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PEC451063	63	85	16	32	0,234	**8,12**
PEC451075	75	95	16	26	0,338	**10,32**
PEC451090	90	106	16	20	0,510	**11,69**
PEC451110	110	113	16	12	0,783	**18,43**
PEC451125	125	121	16	10	1,080	**31,60**
PEC451140	140	130	16	8	1,438	**38,03**
PEC451160	160	132	16	6	2,000	**40,03**
PEC451180 ▲	180	155	16	2	3,330	**88,77**
PEC451200	200	165	16	2	4,100	**64,26**
PEC451225	225	180	16	2	4,300	**84,41**
PEC451250	250	193	16	1	7,800	**145,37**
PEC451280	280	212	16	1	9,200	**233,86**
PEC451315	315	230	16	1	13,000	**235,97**

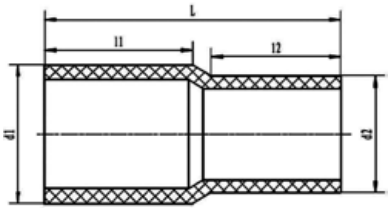
DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request.

REDUCER PN 10 PE100

REDUCCIÓN PN 10 PE100
REDUCTION PN 10 PE100
REDUÇÃO PN 10 PE100





Ref.	d1-d2 (mm)	L (mm)	L1 (mm)	L2 (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PERE07563	75-63	143	70	63	10	40	0,235	**7,43**
PERE09050	90-50	158	79	55	10	60	0,220	**11,85**
PERE09063	90-63	165	79	63	10	54	0,214	**9,48**
PERE09075	90-75	160	79	70	10	48	0,247	**9,48**
PERE01163	110-63	182	82	63	10	30	0,313	**12,64**
PERE01175	110-75	182	82	70	10	30	0,386	**12,64**
PERE01190	110-90	177	82	79	10	36	0,338	**12,64**
PERE01263	125-63	182	87	63	10	24	0,529	**16,33**
PERE01275	125-75	200	103	70	10	24	0,620	**16,33**
PERE01290	125-90	180	87	79	10	24	0,641	**16,33**
PERE01211	125-110	182	87	82	10	16	0,596	**16,33**
PERE01411	140-110	192	92	82	10	16	0,643	**24,23**
PERE01412	140-125	197	92	87	10	16	0,675	**24,23**
PERE01690	160-90	222	98	79	10	12	0,833	**28,76**
PERE01611	160-110	229	98	82	10	12	1,058	**28,76**
PERE01612	160-125	211	98	87	10	12	1,100	**28,76**
PERE01614	160-140	200	98	92	10	12	1,033	**28,76**
PERE01812	180-125	230	105	97	10	6	1,850	**41,08**
PERE01816	180-160	232	105	98	10	6	1,966	**50,32**
PERE02011	200-110	244	112	82	10	6	1,733	**44,77**
PERE02016	200-160	231	112	98	10	5	2,240	**44,77**
PERE02216	225-160	258	120	98	10	3	2,767	**69,68**
PERE02220	225-200	248	120	112	10	3	2,633	**69,68**
PERE02516	250-160	289	130	98	10	2	3,300	**102,19**
PERE02520	250-200	274	130	112	10	2	3,700	**102,18**
PERE02522	250-225	266	130	120	10	2	3,950	**102,18**
PERE02825	280-250	289	139	130	10	1	11,100	**129,53**
PERE03120	315-200	336	150	112	10	1	8,800	**140,54**
PERE03125	315-250	345	150	130	10	1	9,100	**174,87**

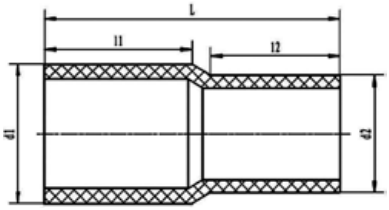
DN: mm • U/B: Units per bag • U/C: Units per box

VASEN

REDUCER PN 16 PE100

REDUCCIÓN PN 16 PE100
REDUCTION PN 16 PE100
REDUÇÃO PN 16 PE100





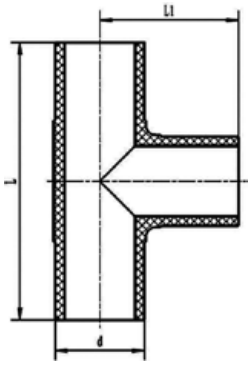
Ref.	d1-d2 (mm)	L (mm)	L1 (mm)	L2 (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PERE14032 ▲	40-32	133	49	44	16	40	0,078	**4,01**
PERE15040	50-40	110	56	50	16	40	0,090	**4,19**
PERE16332	63-32	130	66	55	16	80	0,098	**5,06**
PERE16340	63-40	132	66	55	16	80	0,103	**5,06**
PERE16350	63-50	132	66	55	16	64	0,144	**5,06**
PERE17550	75-50	148	76	55	16	60	0,153	**7,43**
PERE17563	75-63	143	70	63	16	40	0,235	**7,43**
PERE19050	90-50	158	79	55	16	60	0,227	**9,69**
PERE19063	90-63	165	79	63	16	48	0,292	**9,69**
PERE19075	90-75	160	79	70	16	36	0,339	**9,69**
PERE11163	110-63	182	82	63	16	30	0,453	**12,64**
PERE11175	110-75	182	82	70	16	30	0,487	**12,64**
PERE11190	110-90	177	82	79	16	24	0,517	**12,64**
PERE11263	125-63	182	87	63	16	24	0,600	**16,33**
PERE11275 ▲	125-75	200	103	70	16	24	0,682	**23,68**
PERE11290	125-90	180	87	79	16	24	0,667	**16,33**
PERE11211	125-110	182	87	82	16	16	0,750	**16,33**
PERE11411	140-110	192	92	82	16	16	0,875	**24,23**
PERE11412	140-125	197	92	87	16	16	0,825	**24,23**
PERE11690	160-90	222	98	79	16	12	1,216	**31,50**
PERE11611	160-110	229	98	82	16	12	1,230	**31,50**
PERE11612	160-125	211	98	87	16	12	1,292	**31,50**
PERE11614	160-140	200	98	92	16	12	1,058	**31,50**
PERE11812	180-125	230	105	87	16	6	1,900	**41,08**
PERE11816	180-160	232	105	98	16	6	2,016	**50,44**
PERE12011	200-110	244	112	82	16	5	2,120	**44,77**
PERE12016	200-160	231	112	98	16	5	2,280	**44,77**
PERE12216	225-160	258	120	98	16	3	2,900	**73,74**
PERE12220	225-200	248	120	112	16	3	3,567	**73,74**
PERE12516	250-160	289	130	98	16	2	4,150	**102,19**
PERE12520	250-200	274	130	112	16	2	4,500	**102,19**
PERE12522	250-225	266	130	120	16	2	4,550	**102,19**
PERE12825	280-250	289	139	130	16	1	12,000	**135,89**
PERE13120	315-200	336	150	112	16	1	8,800	**140,54**
PERE13125	315-250	345	150	130	16	1	9,100	**174,87**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request.

EQUAL TEE PN 10 PE100



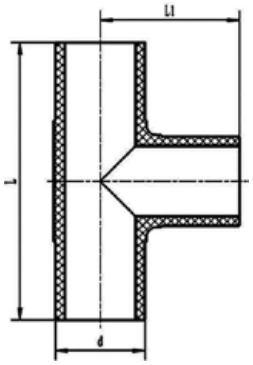


TE IGUAL PN 10 PE100
TÉ ÉGAL PN 10 PE100
TÊ IGUAL PN 10 PE100

Ref.	d (mm)	L (mm)	L1 (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PETEI0063	63	210	105	10	30	0,343	**7,27**
PETEI0075	75	230	115	10	20	0,530	**11,38**
PETEI0090	90	280	140	10	14	0,771	**17,07**
PETEI0110	110	310	155	10	8	0,925	**19,99**
PETEI0125	125	340	170	10	5	1,820	**27,98**
PETEI0140	140	352	176	10	4	2,250	**102,45**
PETEI0160	160	380	190	10	3	3,333	**78,25**
PETEI0180	180	420	210	10	2	4,550	**107,33**
PETEI0200	200	460	230	10	1	6,100	**130,75**
PETEI0225	225	502	247	10	1	7,600	**228,59**
PETEI0250	250	550	275	10	1	10,200	**237,02**
PETEI0280	280	594	297	10	1	13,000	**345,52**
PETEI0315	315	670	335	10	1	17,800	**347,63**

EQUAL TEE PN 16 PE100





TE IGUAL PN 16 PE100
TÉ ÉGAL PN 16 PE100
TÊ IGUAL PN 16 PE100

Ref.	d (mm)	L (mm)	L1 (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PETEI1063	63	210	105	16	30	0,343	**7,27**
PETEI1075	75	230	115	16	20	0,545	**11,38**
PETEI1090	90	280	140	16	14	0,800	**17,07**
PETEI1110	110	310	155	16	6	1,450	**21,28**
PETEI1125	125	340	170	16	5	2,000	**32,77**
PETEI1140	140	352	176	16	4	2,500	**102,45**
PETEI1160	160	380	190	16	3	3,700	**78,25**
PETEI1180	180	420	210	16	2	4,950	**107,33**
PETEI1200	200	460	230	16	1	6,600	**130,75**
PETEI1225	225	502	247	16	1	8,600	**228,59**
PETEI1250	250	550	275	16	1	11,200	**247,55**
PETEI1280	280	594	297	16	1	14,800	**345,52**
PETEI1315	315	670	335	16	1	20,220	**474,04**

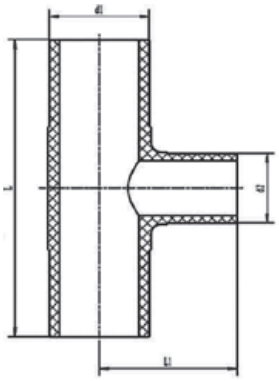
DN: mm • U/B: Units per bag • U/C: Units per box

VASEN

REDUCED TEE PN 16 PE100

TE REDUCIDA PN 16 PE100
TÉ RÉDUIT PN 16 PE100
TÊ REDUZIDO PN 16 PE100



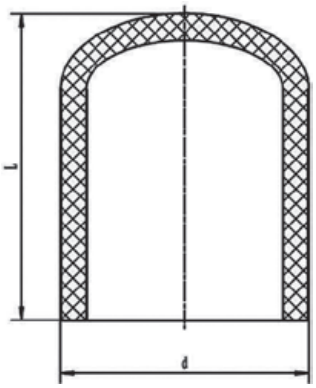


Ref.	d1-d2 (mm)	L (mm)	L1 (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PETR19063	90-63	269	124	16	14	0,630	**24,33**
PETR11163	110-63	310	137	16	9	1,322	**27,39**
PETR11175	110-75	258	135	16	12	1,016	**30,71**
PETR11190	110-90	310	153	16	9	1,277	**31,92**
PETR11290	125-90	340	166	16	6	1,783	**48,46**
PETR11663	160-63	295	157	16	5	2,180	**88,49**
PETR11690	160-90	370	193	16	3	3,330	**88,65**
PETR11611	160-110	340	177	16	3	3,500	**96,65**
PETR11612 ▲	160-125	428	206	16	4	3,710	**97,44**
PETR12090	200-90	488	213	16	3	4,000	**171,71**
PETR12011	200-110	370	199	16	3	4,667	**178,76**
PETR12016	200-160	420	215	16	2	6,000	**180,98**
PETR12511	250-110	405	223	16	1	8,700	**286,53**
PETR12512	250-125	428	230	16	1	9,300	**286,53**
PETR12516	250-160	460	241	16	1	9,600	**305,49**
PETR13116	315-160	480	272	16	1	13,300	**524,60**
PETR13120	315-200	560	300	16	1	15,200	**524,60**

END CAP PN 16 PE100

TAPÓN PN 16 PE100
BOUCHON PN 16 PE100
TAMPÃO PN 16 PE100





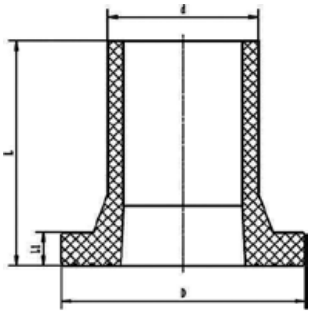
Ref.	d (mm)	L (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PETAP1050	50	70	16	240	0,049	**4,85**
PETAP1063	63	82	16	100	0,103	**5,53**
PETAP1075	75	93	16	80	0,160	**8,32**
PETAP1090	90	106	16	50	0,258	**10,53**
PETAP1110	110	123	16	30	0,387	**14,38**
PETAP1125	125	124	16	24	0,537	**16,75**
PETAP1140	140	100	16	24	0,650	**22,12**
PETAP1160	160	132	16	16	0,931	**23,07**
PETAP1180	180	183	16	6	1,600	**32,13**
PETAP1200 ▲	200	190	16	6	2,000	**45,51**
PETAP1225	225	179	16	4	2,575	**57,83**
PETAP1250	250	192	16	4	3,225	**72,16**
PETAP1280	280	200	16	4	4,425	**124,30**
PETAP1315	315	216	16	3	6,400	**149,59**

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request.

STUB END PN 10 PE100



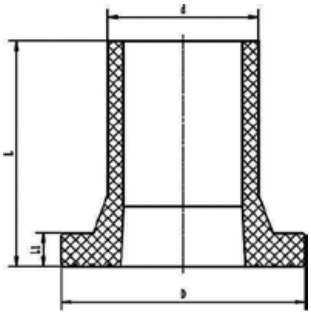


VALONA PN 10 PE100
COLLET PN 10 PE100
COLARINHO PN 10 PE100

Ref.	d (mm)	D (mm)	L (mm)	L1 (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PEVAL0063	63	102	94	14	10	60	0,180	**5,11**
PEVAL0075	75	122	105	16	10	36	0,261	**6,16**
PEVAL0090	90	138	117	17	10	30	0,326	**6,28**
PEVAL0110	110	158	128	18	10	24	0,475	**7,87**
PEVAL0125	125	158	133	22	10	18	0,533	**9,79**
PEVAL0140	140	188	136	22	10	10	0,860	**12,78**
PEVAL0160	160	212	176	22	10	6	1,216	**14,16**
PEVAL0180	180	212	180	28	10	6	1,166	**22,35**
PEVAL0200	200	268	182	32	10	4	2,150	**25,53**
PEVAL0225	225	269	180	32	10	4	2,675	**27,65**
PEVAL0250	250	320	205	35	10	2	3,750	**46,30**
PEVAL0280	280	320	210	35	10	2	4,050	**62,36**
PEVAL0315	315	374	210	35	10	1	6,200	**76,62**
PEVAL0355	355	435	225	40	10	1	7,800	**142,21**
PEVAL0400	400	485	240	45	10	1	11,800	**258,09**

STUB END PN 16 PE100





VALONA PN 16 PE100
COLLET PN 16 PE100
COLARINHO PN 16 PE100

Ref.	d (mm)	D (mm)	L (mm)	L1 (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
PEVAL1040	40	78	83	13	16	100	0,095	**3,55**
PEVAL1050	50	88	85	12	16	60	0,167	**3,71**
PEVAL1063	63	102	94	14	16	60	0,193	**5,11**
PEVAL1075	75	122	105	16	16	36	0,308	**6,16**
PEVAL1090	90	138	117	17	16	24	0,416	**6,37**
PEVAL1110	110	158	128	18	16	24	0,591	**8,50**
PEVAL1125	125	158	133	22	16	18	0,738	**10,86**
PEVAL1140	140	188	136	22	16	10	1,150	**13,29**
PEVAL1160	160	212	176	22	16	6	1,550	**14,37**
PEVAL1180	180	212	180	28	16	6	1,866	**23,41**
PEVAL1200	200	268	182	32	16	4	2,825	**27,44**
PEVAL1225	225	269	180	32	16	4	2,925	**28,73**
PEVAL1250	250	320	205	35	16	2	4,400	**48,30**
PEVAL1280	280	320	210	35	16	2	5,100	**63,84**
PEVAL1315	315	374	210	35	16	1	6,600	**80,86**
PEVAL1355	355	435	225	40	16	1	9,300	**160,12**
PEVAL1400	400	485	240	45	16	1	12,300	**273,89**

DN: mm • U/B: Units per bag • U/C: Units per box

VASEN

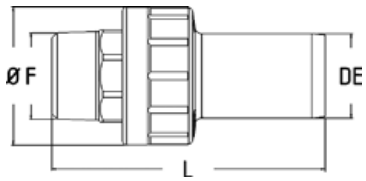
MALE TRANSITION PE100

TRANSICIÓN MACHO PE100
RACCORD DE TRANSITION MÂLE PE100
TRANSIÇÃO MACHO PE100



PN10/16

Ref.	DE (mm)	F	L (mm)	Φ (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAETRM020	20	1/2"	95	40	16	100	0,110	**12,17**
DAETRM025	25	3/4"	90	45	16	100	0,160	**12,70**
DAETRM032	32	1"	105	65	16	60	0,250	**16,41**
DAETRM040	40	1 1/4"	120	65	16	35	0,400	**22,23**
DAETRM050	50	1 1/2"	125	75	16	30	0,540	**28,05**
DAETRM063	63	2"	140	85	16	20	0,800	**37,05**
DAETRM075	75	2 1/2"	155	110	16	14	1,200	**67,49**
DAETRM090	90	3"	170	125	16	6	1,710	**84,25**
DAETRM110	110	4"	200	155	16	4	2,920	**122,27**
DAETRM125	125	4"	200	155	16	4	3,000	**125,44**



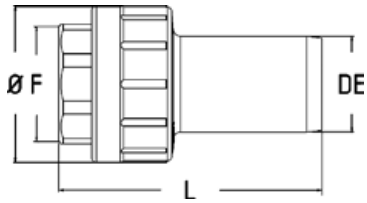
FEMALE TRANSITION PE100

TRANSICIÓN HEMBRA PE100
RACCORD DE TRANSITION FEMELLE PE100
TRANSIÇÃOFÊMEA PE100



PN10/16

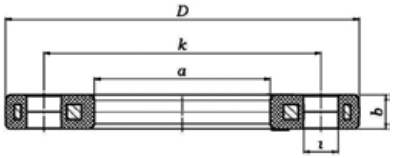
Ref.	DE (mm)	F	L (mm)	Φ (mm)	PN (bar)	U/B	kg/Uni.	€/Uni.
DAETRH020	20	1/2"	80	40	16	150	0,090	**12,17**
DAETRH025	25	3/4"	80	45	16	100	0,110	**12,70**
DAETRH032	32	1"	90	65	16	60	0,180	**16,41**
DAETRH040	40	1 1/4"	100	65	16	50	0,290	**22,23**
DAETRH050	50	1 1/2"	100	75	16	35	0,370	**28,05**
DAETRH063	63	2"	115	85	16	20	0,580	**37,05**
DAETRH075	75	2 1/2"	130	110	16	14	0,770	**67,49**
DAETRH090	90	3"	145	125	16	10	1,060	**84,25**
DAETRH110	110	4"	160	155	16	6	1,850	**122,27**
DAETRH125	125	4"	160	155	16	6	1,920	**125,44**



DN: mm • U/B: Units per bag • U/C: Units per box

GALVANIZED STEEL FLANGE





BRIDA ACERO GALVANIZADO
BRIDE GALVANISÉ
FLANGE DE AÇO GALVANIZADA

PN10/16

Ref.	DN/DE (mm)	a (mm)	k (mm)	b (mm)	D (mm)	Z	nº Φ	kg/Uni.	€/Uni.
PEBA14050	40/50	62	110	12	150	M16	4	1,20	**7,53**
PEBA15063	50/63	78	125	12	165	M16	4	1,37	**9,38**
PEBA16575	65/75	95	145	12	185	M16	8	1,55	**10,53**
PEBA18090	80/90	109	160	13	200	M16	8	1,90	**12,90**
PEBA11011	100/110	130	180	13	220	M16	8	2,15	**15,01**
PEBA11012	100/125	135	180	13	220	M16	8	2,04	**15,01**
PEBA12512	125/125	135	210	14	250	M16	8	3,36	**20,86**
PEBA11214	125/140	160	210	14	250	M16	8	2,75	**21,17**
PEBA11516	150/160	180	240	14	285	M20	8	3,61	**24,65**
PEBA11518	150/180	190	240	14	285	M20	8	3,30	**24,76**

PN10

Ref.	DN/DE (mm)	a (mm)	k (mm)	b (mm)	D (mm)	Z	nº Φ	kg/Uni.	€/Uni.
PEBA02020	200/200	235	295	16	340	M20	8	5,20	**35,92**
PEBA02022	200/225	238	295	16	340	M20	8	5,05	**36,08**
PEBA02525	250/250	288	350	18	395	M20	12	6,88	**45,09**
PEBA02528	250/280	294	350	18	395	M20	12	7,36	**45,09**
PEBA03031	300/315	338	400	20	445	M20	12	8,88	**86,80**
PEBA03535	350/355	376	460	20	505	M20	16	14,04	**99,76**
PEBA04040	400/400	430	515	22	565	M24	16	15,60	**165,39**

PN16

Ref.	DN/DE (mm)	a (mm)	k (mm)	b (mm)	D (mm)	Z	nº Φ	kg/Uni.	€/Uni.
PEBA12020	200/200	235	295	16	340	M20	12	5,02	**35,92**
PEBA12022	200/225	238	295	16	340	M20	12	4,88	**36,08**
PEBA12525	250/250	288	355	18	405	M22	12	7,48	**58,46**
PEBA12528	250/280	294	355	18	405	M20	12	7,11	**58,46**
PEBA13031	300/315	338	410	20	460	M22	12	8,62	**86,80**
PEBA13535	350/355	376	470	20	520	M22	16	13,57	**153,06**
PEBA14040	400/400	430	525	22	580	M27	16	15,15	**189,19**

Flange with reduced thickness
Brida de espesor reducida › Bride d´épaisseur réduit › Flange com espessura reduzida

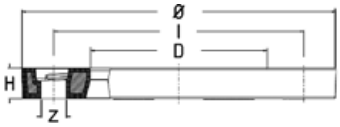
DN: mm • U/B: Units per bag • U/C: Units per box

VASEN

PP COATED FLANGE

BRIDA RECUBIERTA A PP
BRIDE REVETUE EN PP
FLANGE REVESTIDA A PP





PN10/16

Ref.	DN/DE (mm)	Φ (mm)	l (mm)	D (mm)	H (mm)	Z	nº Φ	kg/Uni.	€/Uni.
PPRBRI4050	40/50	155	110	67	19	M16	4	0,70	**15,54**
PPRBRI5063	50/63	170	125	78	20	M16	4	0,90	**17,42**
PPRBRI6575	65/75	191	145	92	21	M16	4	1,25	**20,46**
PPRBRI8090	80/90	206	160	108	21	M16	8	1,30	**23,58**
PPRBRI100110	100/110	226	180	127	22	M16	8	1,55	**27,60**
PPRBRI100125	100/125	226	180	134	23	M16	8	1,40	**30,97**
PPRBRI125140	125/140	256	210	158	25	M16	8	1,70	**31,26**
PPRBRI150160	150/160	291	240	178	28	M20	8	2,50	**42,14**
PPRBRI150180	150/180	291	240	186	27	M20	8	2,40	**45,36**

PN10

Ref.	DN/DE (mm)	a (mm)	k (mm)	b (mm)	D (mm)	Z	nº Φ	kg/Uni.	€/Uni.
PPRBRI20020010	200/200	346	295	238	32	M20	8	3,50	**55,81**
PPRBRI20022510	200/225	346	295	238	32	M20	8	3,50	**58,31**
PPRBRI25025010	250/250	405	350	288	36	M20	12	4,90	**87,43**
PPRBRI25028010	250/280	405	350	294	35	M20	12	4,40	**90,22**
PPRBRI30031510	300/315	456	400	337	42	M20	12	7,50	**136,94**

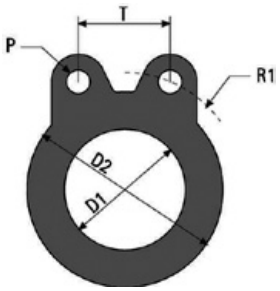
PN16

Ref.	DN/DE (mm)	a (mm)	k (mm)	b (mm)	D (mm)	Z	nº Φ	kg/Uni.	€/Uni.
PPRBRI200200	200/200	346	295	238	32	M20	12	3,40	**63,21**
PPRBRI200225	200/225	346	295	238	32	M20	12	3,40	**65,70**
PPRBRI250250	250/250	410	355	288	36	M24	12	5,50	**93,37**
PPRBRI250280	250/280	410	355	294	35	M24	12	5,00	**97,16**
PPRBRI300315	300/315	465	410	337	42	M24	12	8,80	**136,11**

GASKET

JUNTA PLANA
JOINT DE BRIDE
JUNTA PLANA

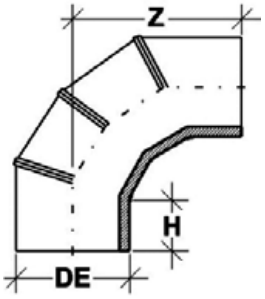




Ref.	d (mm)	D1 (mm)	D2 (mm)	E (mm)	P Φ (mm)	R1 (mm)	T (mm)	U/B	€/Uni.
JUNTA40	40	50	82	3	15	53	77	25	**1,16**
JUNTA50	50	60	96	3	15	61	87	25	**1,26**
JUNTA65	65	77	121	3	18	71	93	25	**1,42**
JUNTA80	80	80	130	3	16	78	61	25	**1,69**
JUNTA100	100	100	154	3	16	88	68	25	**2,00**
JUNTA125	125	125	183	3	16	107	81	25	**2,32**
JUNTA150	150	150	208	3	20	118	91	25	**2,63**
JUNTA200	200	200	263	3	20	146	75	25	**5,27**
JUNTA250	250	250	316	4	24	176	91	25	**6,11**
JUNTA300	300	300	367	4	24	203	105	25	**9,48**
JUNTA350	350	350	425	4	24	233	91	25	**13,69**
JUNTA400	400	400	477	4	24	261	102	25	**15,80**

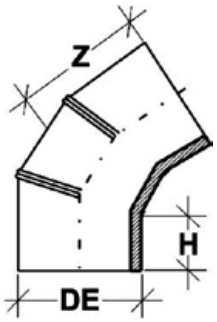
ELBOW 90°

CODO 90° › COUDE 90° › CURVA 90°



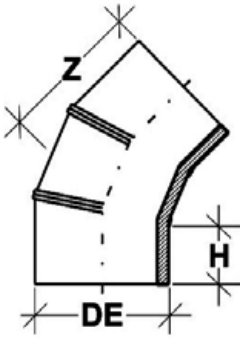
ELBOW 60°

CODO 60° › COUDE 60° › CURVA 60°



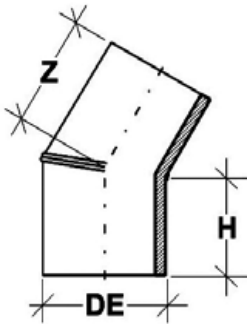
ELBOW 45°

CODO 45° › COUDE 45° › CURVA 45°



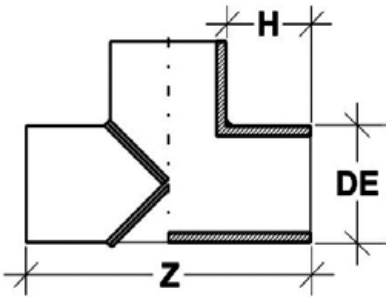
ELBOW 30°/15°

CODO 30°/15° › COUDE 30°/15° › CURVA 30°/15°



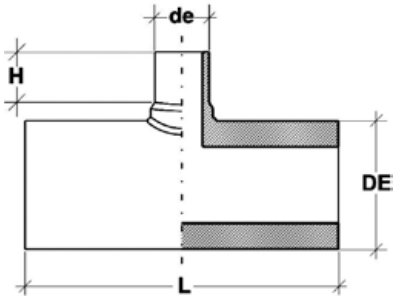
EQUAL TEE

TE IGUAL › TÉ ÉGAL › TÊ IGUAL



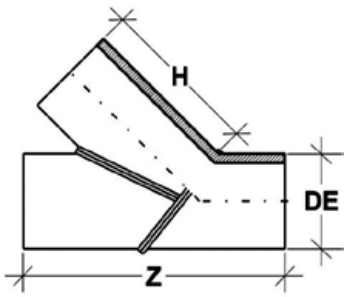
REDUCED TEE

TE REDUCIDA › TÉ RÉDUIT › TÊ REDUZIDO



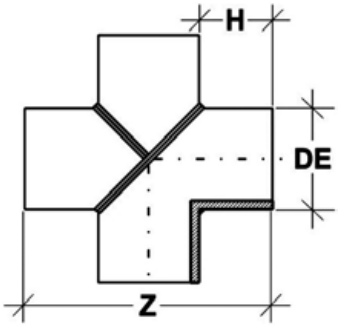
REDUCED TEE 45°

TE IGUAL 45° › TÉ ÉGAL 45° › TÊ IGUAL 45°



CROSS

CRUZ › CROIX › CRUZETA



VASEN

ELECTROFUSION MACHINES

MÁQUINAS DE ELECTROFUSION
MACHINES DE ELECTROFUSION
MÁQUINAS DE ELECTROSSOLDADURA

Model	Ref	WR	U/B	kg/Uni.	€/Uni.
ELECTROFUSION MACHINE W/ SCANER SPE 16	**SPE 16**	20-160	1	9,50	**2.000,00**

Welding tension: **8 V / 48 V**
Operating mode: **Barcode / manual**
Dimensions: **330 mm x 450 mm x 160 mm**
Conectors: **4 / 4.7 mm**
Weight: **9.5 Kg**
With transport box



Model	Ref	WR	U/B	kg/Uni.	€/Unit
MANUAL ELECTROFUSION MACHINE	**SME 40**	20-315	1	16,0	**2.040,00**

Welding tension: **8 V / 48 V**
Operating mode: **Manual**
Dimensions: **300 mm x 200 mm x 270 mm**
Conectors: **4 / 4.7 mm**
Weight: **16 Kg**
Without transport box



Model	Ref	WR	U/B	kg/Uni.	€/Uni.
ELECTROFUSION MACHINE W/ SCANER SPE 5o	**SPE 50**	20-315	1	20,00	**3.175,00**

Welding tension: **8 V / 48 V**
Operating mode: **Barcode / manual**
Dimensions: **290 mm x 190 mm x 250 mm**
Conectors: **4 / 4.7 mm**
Weight: **20 Kg**
With transport bag



WR: **Working range** › Gama de trabajo › Gamme de travail › Gama de trabalho

DN: mm • U/B: Units per bag • U/C: Units per box

BUTT FUSION MACHINES



MÁQUINAS DE SOLDAR A TOPE
MACHINE DE SOUDAGE BOUT A BOUT
MÁQUINAS DE SOLDAR TOPO A TOPO

Model	Ref	WR	U/B	kg/Uni.	€/Uni.
Butt fusion machine ST 160	**ST 160**	40-160	1	142,0	**9.236,80**
Butt fusion machine ST 200	**ST 200**	63-200	1	160,0	**10.314,28**
Butt fusion machine ST 250	**ST 250**	75-250	1	235,0	**11.472,80**
Butt fusion machine ST 315	**ST 315**	90-315	1	330,0	**14.925,44**
Butt fusion machine ST 355	**ST 355**	125-355	1	345,0	**15.446,79**
Butt fusion machine ST 450	**ST 450**	200-450	1	785,0	**20.607,89**
Butt fusion machine ST 500	**ST 500**	200-500	1	758,0	**28.016,66**
Butt fusion machine ST 630	**ST 630**	315-630	1	1260,0	**44.102,77**

SQUEEZE OFF TOOL



PINZADOR
SQUEEZE OFF OUTIL
ESMAGADOR

Model	Ref	WR	U/B	kg/Uni.	€/Uni.
Squeeze off tool 16-63	**PIN**	16-63	1	3,50	**350,00**

SEMIAUTOMATIC SCRAPER



RASCADOR SEMIAUTOMÁTICO
GRATTOIR SEMI-AUTOMATIQUE
RASPADOR SEMIAUTOMATICO

Model	Ref	WR	U/B	kg/Uni.	€/Uni.
Semiautomatic scraper 63-200 mm	**RASEMI200**	63-200	1	2,40	**815,00**

MANUAL SCRAPER



RASCADOR MANUAL
GRATTOIR MANUEL
RASPADOR MANUAL

Model	Ref	WR	U/B	kg/Uni.	€/Uni.
Manual scraper	**RASMAN**	–	1	0,84	**16,00**

WR: **Working range** › Gama de trabajo › Gamme de travail › Gama de trabalho

DN: mm • U/B: Units per bag • U/C: Units per box

VASEN

LIFESPAN OF
50 YEARS

Notes

VASEN

CERTIFICATES

VASEN has the quality certificates to carry out any type of installation with the security of being working with a leading company in its sector.

GENERAL CONDITIONS OF SALE

PRICES

Prices are understood in our warehouse. The shipping is charged to the customer, unless otherwise indicated.

SHIPPING CHARGE

To be agreed between the parties.

PAYMENT CONDITIONS

To be agreed between the parties.

PRICE LIST

VASEN (EGB) will opportunely communicate all f the price list changes.

DELIVERY

The merchandises always travel by account and risk of the buyer, even in the cases of special agreements.

COMPLAINTS

Complaints or manufacture defects must be notified within the next 15 days of the reception of the merchandise, rejecting those made after of the deadline.

Refund material will not be accepted without an existing agreement supported by a document facilitated by our Commercial Department.

All returns will be shipping charged. The demerit charge in returns is 15%, and if these were in poor condition the refund would not be accepted.

GUARANTEE

Our warranty covers only and exclusively the replacement of material or defective items. Once those are reviewed and accepted by our Technical Department this defect. Any wrongful manipulation or different utilization of the material for whom have been conceived invalidates automatically this guarantee.

LITIGATION

In case of dispute, both parties agree to submit their differences to courts and tribunals of Girona (Spain). VASEN/(EGB) reserves the right to change in all or in part the design and the materials of any of their products.

VASEN

EUROPE

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POLYPROPYLENE
PIPES AND FITTINGS

MULTILAYER PERT-AL-PERT
PIPES AND FITTINGS

POLYETHYLENE FITTINGS
ELECTROFUSION / BUTT FUSION

PRICE LIST 2020