

# MULTILAYER SYSTEM

MULTILAYER PIPE  
+  
PRESS FITTING ACCESSORIES



## CERTIFIED BY AENOR FOR

### SCOPE

CLASS 1: Hot water 60° C.

CLASS 2: Hot Water 70° C.

CLASS 4: Underfloor heating / cooling and radiators at low temperature.

CLASS 5: Heating by radiators at high temperature

**DESIGN PRESSURE 1/10; 2/10; 4; 10; 5/10**

## OUR MULTILAYER PIPES



### CHARACTERISTICS:

Today, technological research has definitively solved the uncertainty about the choice of metal tubes or thermoplastic materials for the installation of plumbing or heating systems with the creation of a tube capable of uniting the advantages of both materials. The result has been multi-layer ISOLTUBEX tubes.



The tubes they are totally recyclable

**The Multilayer Tube** has been the result of a modern construction technique that has allowed the perfect union of an aluminum tube with two polyethylene tubes; such a solution decisively reduces the problems of purely metallic tubes (rigidity, toxicity, corrosion, incrustations, weight, noise transmission, pressure drops, galvanic currents, etc.), or exclusively plastic tubes (winter fragility, high expansion thermal, impermeability to oxygen and ultraviolet rays, thermal memory, little or no malleability, etc.). Our multilayer pipes achieve the advantages of the two materials, united by mutual collaboration.

**Our tubes are manufactured in accordance with the UNE EN ISO-21003 standard and as measures in accordance with ISO-161.**

## CURVATURE

To bend the tubes we will use:

- Spring bend tubes
- Manual bending

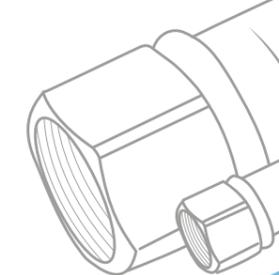
You have to take into account the radii of the curvature to avoid Strangulation of the pipe.

Diameter DN	Radius bend (mm)		
	Manual	With spring	With Curved
16	80	64	48
20	100	80	60
25	130	100	80
32	200	160	150



The minimum bending radius specified in the table must always be respected in order to avoid pipe throttling.

## ACCESSORIES PRESS FITTING FOR MULTILAYER PIPES



### CHARACTERISTICS:

The **ISOLTUBEX** press fittings have been designed up to Ø63, developed with the aim of obtaining the maximum performance of resistance and safety in the hydraulic or heating installations. The operation of joining **ISOLTUBEX** press fittings with an **ISOLTUBEX** multilayer pipe must **necessarily** be carried out with an electric press that, by deforming the stainless steel bushing (AISI 304), will irreversibly bind the pipe with the fitting.

Our accessories are made with high quality brass; CW617N, according to **UNE-EN-12165 standard**.

The inspection holes located at one end of the stainless steel bushing allow us to verify that the tube has indeed been inserted until the end of the fitting and that it has been in contact with the anti-electrolysis plastic gasket, whose function is to preserve the aluminum of possible galvanic currents in all the installations where the **ISOLTUBEX** system is used. The two O-rings ensure a perfect seal in the hydraulic or heating system.

The range of our PRESS FITTING accessories is very complete (Ø16 to Ø63).

The **ISOLTUBEX** PRESS-FITTING accessories are designed to build together with our pipes the Multilayer System Certified by AENOR in accordance with the **UNE EN ISO-21003 standard**.

The PRESS-FITTING accessories are easily identifiable, our logo or our brand **ISOLTUBEX** is indelibly marked, both in the body of the accessory, and in the stainless steel ferrules.



## ADVANTAGE

1. Accessory of high quality brass, CW617N manufactured with calibrated bar for straight figures (union, reduction, etc.) or hot forging process for other figures (elbows, tees, etc.), ensuring a compact structure.
2. Very easy to install.
3. Perfect sealing, ensuring a long service life.
4. Double O-ring, providing greater security.
5. Anti-electrolysis ring of maximum efficiency.
6. Attractive appearance exterior design.
7. Valid for cold water installations, A.C.S. and heating systems.



## ASSEMBLY INSTRUCTIONS FOR MULTILAYER SYSTEM

Before starting the assembly check that the tubes are not broken, bent, damaged or apparently not suitable for installation. It is also necessary to check that the accessories to be used appear without any dirt residues in any of their components or present any anomaly or deterioration that prevents their correct use.

**VERY IMPORTANT:** THE USE OF DETERIORATED TUBES AND / OR ACCESSORIES, IN BAD CONDITION OR IN CONDITIONS OF CONSERVATION OR MAINTENANCE NOT SUITABLE FOR INSTALLATION, EXCLUDES THE WARRANTY.

(see warranty page and general conditions)



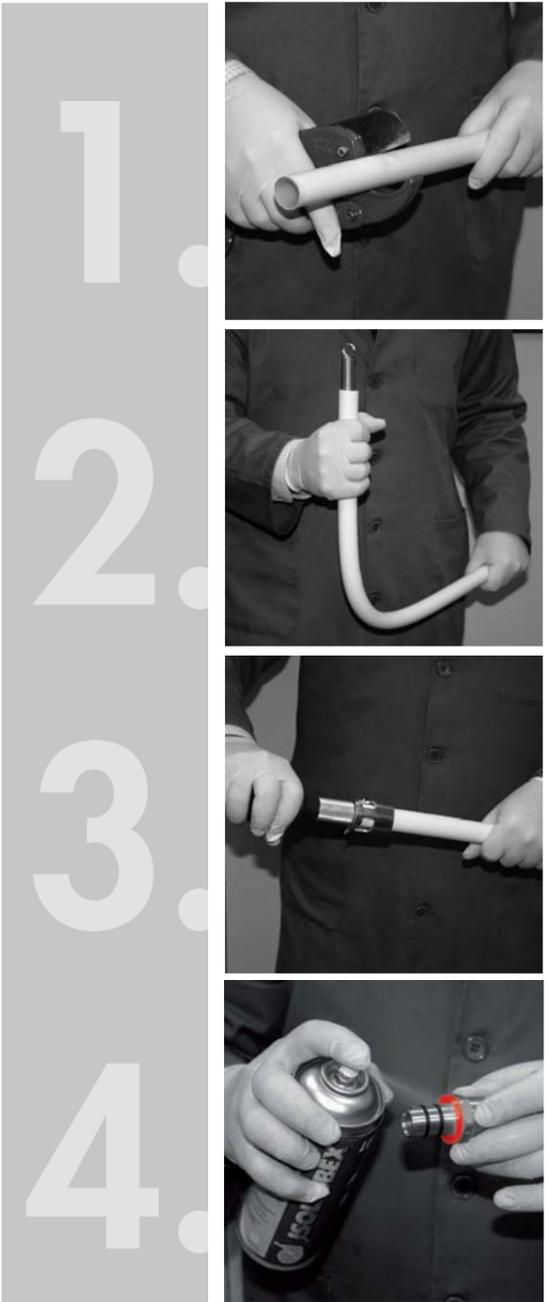
All assembly processes on our YouTube channel



CERTIFICATE

MULTILAYER SYSTEM

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Cut the tube perpendicular to its length, using a tool that guarantees a clean and precise cut.



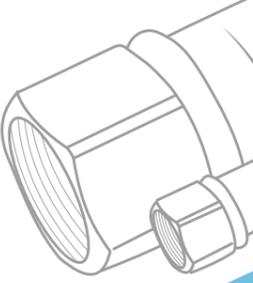
When it comes to getting a very tight curve, it is advisable to use an internal or external spring, adapted to the diameter of the tube that we are going to bend (see page 43).



It is mandatory to insert the calibrator / reamer ref. AE inside the tube, turning until filing the inside and outside edge of it. Such operation is essential to facilitate the insertion of the fitting into the tube and prevent the o-rings from being damaged, or displaced from their housing.



Lubricate the part of the accessory that is inserted.  
Lubricant ref. L-400



02

MULTILAYER SYSTEM

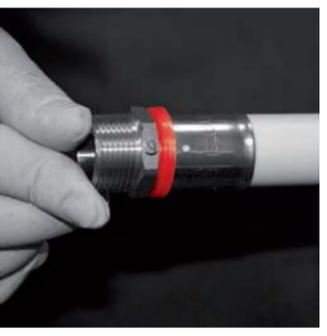
CERTIFICATE



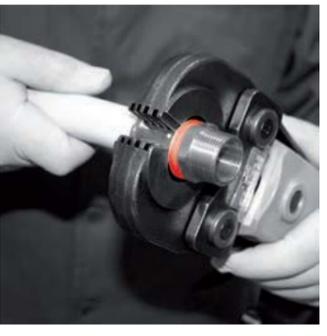
67



Insert the stainless steel cap into the tube, in the position that the inspection holes are located at the end of the tube.



The fitting must be inserted in the tube to its base so that the stainless steel cap is attached to the anti-electrolysis plastic gasket.



Position the pliers, of the measure corresponding to the tube, in the stainless steel cap, as close as possible to the electrolysis joint.  
USE RFz and RFlz JAVS for measurements 16x2, 20x2, 25x2,5, 32x3 and 40x4.  
USE U JAWS for measurements 18x2, 50x4,5 and 63x6



**ATENCIÓN** Isoltubex no se hace responsable de los problemas que puedan surgir por la utilización de mordazas inadecuadas o en mal estado.



Proceed to the pressing: It is very important to use electric or battery presses, which guarantee a thrust force of 32 Kn / cm<sup>2</sup>. It is advisable to use only approved tools.  
Remember, the machines and jaws have a limited life, check that your pressing equipment is in perfect working order and that the jaws have not suffered wear and tear due to use.  
After pressing, remove the pliers, the connection has already been made. Consult technical manual of your machine and jaws. Follow the manufacturer's instructions.



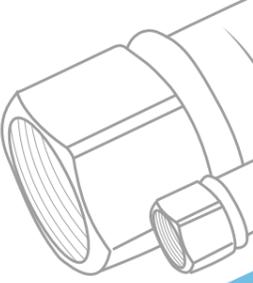
THESE TUBES ALONG WITH PRESS FITTING ACCESSORIES, CONFORM THE ISOLTUBEX MULTI-LAYER SYSTEM, CERTIFICATE ISSUED BY AENOR FOR THE APPLICATION CLASSES 1/10, 2/10, 4/10 and 5/10 AND FOR THE SUPPLY OF COLD WATER AT 20°C - 25 BARS OF PRESSURE.

## MULTILAYER PIPE



THESE TUBES ALONG WITH PRESS FITTING ACCESSORIES, CONFORM THE ISOLTUBEX MULTI-LAYER SYSTEM, CERTIFICATE ISSUED BY AENOR FOR THE APPLICATION CLASSES 1/10, 2/10, 4/10 and 5/10 AND FOR THE SUPPLY OF COLD WATER AT 20°C - 25 BARS OF PRESSURE.

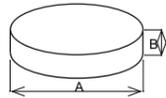
## MULTILAYER PIPE



### MULTILAYER PIPE IN ROLL ISOLATED



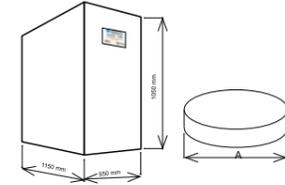
WITH UV PROTECTION FOR EXTERIOR INSTALLATIONS BLACK COLOR



Reference	Ø Tube	Thickness Aislam.	Meters Roll	Measurements Roll		Weight Roll	PALET 120x80	
				A	B		n° Roll	Weight
MC16AIS6-R	16 x 2	6	50	71	18	7,77	24	186,48
MC16AIS6-A	16 x 2	6	50	71	18	7,77	24	186,48
MC16AIS-N	16 x 2	6	50	71	18	7,77	24	186,48
MC18AIS6-R	18 x 2	6	50	75	19	10,95	24	262,80
MC18AIS6-A	18 x 2	6	50	75	19	10,95	24	262,80
MC18AIS6-N	18 x 2	6	50	75	19	10,95	24	262,80
MC20AIS6-R	20 x 2	6	50	75	19	10,72	22	235,84
MC20AIS6-A	20 x 2	6	50	75	19	10,72	22	235,84
MC20AIS6-N	20 x 2	6	50	75	19	10,72	22	235,84
MC25AIS10-R	25 x 2,5	10	25	73	30	7,52	16	120,32
MC25AIS10-A	25 x 2,5	10	25	73	30	7,52	16	120,32
MC25AIS10-N	25 x 2,5	10	25	73	30	7,52	16	120,32
MC32AIS10-R	32 x 3	10	25	84	33	12,50	16	200,00
MC32AIS10-A	32 x 3	10	25	84	33	12,50	16	200,00
MC32AIS10-N	32 x 3	10	25	84	33	12,50	16	200,00

mm mts. cm cm kg units. kg

### MULTILAYER PIPE IN ROLL - Box -



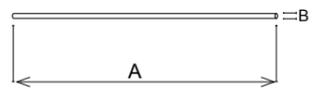
WITH UV PROTECTION FOR EXTERIOR INSTALLATIONS BLACK COLOR

Reference	Ø Tube	Meters Roll	Measurements Roll		Weight Roll	BOX			PALET 120x120x210 cm	
			A	B		n° Roll	Meters	Weight	n° Roll	Weight
MC16-R5	16 x 2	5	44,0	6,5	0,69	42	210	28,98	168	115,92
MC16-R10	16 x 2	10	47,5	6,5	1,05	42	420	48,00	168	176,40
MC16-R25	16 x 2	25	49,0	12,0	2,65	20	500	53,00	80	212,00
MC20-R5	20 x 2	5	44,5	8,0	0,88	32	160	28,16	128	112,64
MC20-R10	20 x 2	10	48,5	8,0	1,35	32	320	43,20	128	172,80
MC20-R25	20 x 2	25	57,5	17,0	3,40	12	300	40,80	48	163,20
MC25-R25	25 x 2,5	25	63,0	15,0	5,38	12	300	64,56	48	258,24

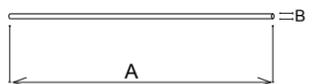
MCN16-R25	16 x 2	25	49,0	12,0	2,65	20	500	53,00	80	212,00
MCN20-R25	20 x 2	25	57,5	17,0	3,40	12	300	40,80	48	163,20
MCN25-R25	25 x 2,5	25	63,0	15,0	5,38	12	300	64,56	48	258,24

mts. cm cm kg units. mts. kg units. kg

### MULTILAYER PIPE BAR - 4 meters



CON PROTECCIÓN UV PARA INSTALACIONES EXTERIORES COLOR NEGRO

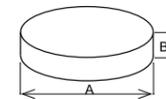


Reference	Ø Tube	Meters		Weight	PAQUETE			PALET 410x100x80 cm	
		A	B		n° Bars	Meters	Weight	n° Barras	Peso
MC16-B	16 x 2	400	1,6	0,42	50	200	21,00	1000	420,00
MC18-B	18 x 2	400	1,8	0,61	40	160	24,40	800	488,00
MC20-B	20 x 2	400	2,0	0,54	35	140	18,90	700	378,00
MC25-B	25 x 2,5	400	2,5	0,86	20	80	17,20	400	344,00
MC32-B	32 x 3	400	3,2	0,86	14	56	12,04	280	240,80
MC40-B	40 x 4	400	4,0	2,20	16	64	35,20	288	633,60
MC50-B	50 x 4,5	400	5,0	3,00	4	16	12,00	144	432,00
MC63-B	63 x 6	400	6,3	5,00	3	12	15,00	108	540,00

MCN16-B	16 x 2	400	1,6	0,42	50	200	21,00	1000	420,00
MCN20-B	20 x 2	400	2,0	0,54	35	140	18,90	700	378,00
MCN25-B	25 x 2,5	400	2,5	0,86	20	80	17,20	400	344,00
MCN32-B	32 x 3	400	3,2	0,86	14	56	12,04	280	240,80

cm cm kg units. mts. kg units. kg

### MULTILAYER PIPE IN ROLL



WITH UV PROTECTION FOR EXTERIOR INSTALLATIONS BLACK COLOR

Reference	Ø Tube	Meters Roll	Measurements Roll		Weight	PALET	
			A	B		n° Roll	Weight
MC16-R100	16 x 2	100	57	18,5	10,60	24	254,40
MC16-R120	16 x 2	120	69	18,5	12,60	20	252,00
MC16-R200	16 x 2	200	75	19	21,20	18	381,60
MC16-R450	16 x 2	450	86	26	47,70	7	333,90
MC18-R100	18 x 2	100	65	20	12,00	48	576,00
MC20-R100	20 x 2	100	67	21,5	13,60	22	299,20
MC20-R200	20 x 2	200	77	25	27,20	16	435,20
MC25-R50	25 x 2,5	50	83	20	10,75	16	172,00
MC32-R50	32 x 3	50	93	17	16,75	16	268,00

MCN16-R100	16 x 2	100	63	17,5	10,60	24	254,40
MCN20-R100	20 x 2	100	67	21,5	13,60	22	299,20
MCN25-R50	25 x 2,5	50	83	20	10,75	16	172,00
MCN32-R50	32 x 3	50	93	17	16,75	16	268,00

mts. cm cm kg units. kg





THESE ACCESSORIES, JOINED TO OUR MULTILAYER PIPES, CONFORM THE MULTILAYER SYSTEM, CERTIFIED AND ISSUED BY AENOR IN ACCORDANCE WITH THE UNE EN ISO 21003 STANDARD.

## MULTILAYER ACCESSORIES

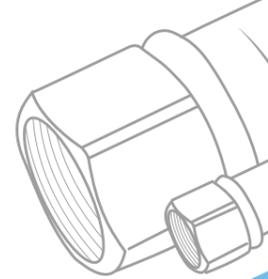
For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes



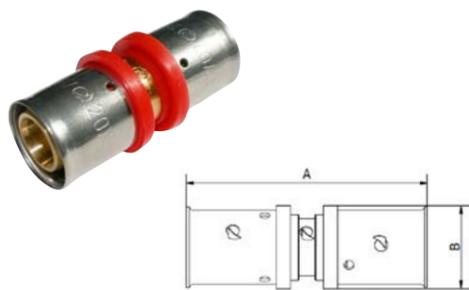
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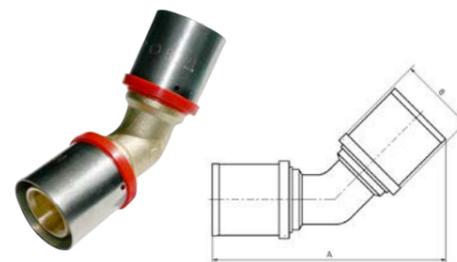


### UNION



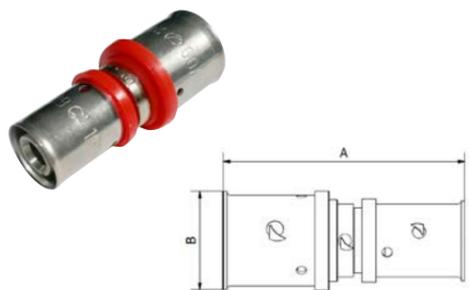
Reference	Measure	A	B	Weight		
U16	16	58,76	20,30	44	45	360
U18	18	57,20	22,30	39	40	320
U20	20	60,00	24,30	61	30	240
U25	25	73,00	30,28	106	15	120
U32	32	73,40	37,30	149	10	80
U40	40	100,80	43,00	324	-	55
U50	50	101,00	53,00	410	-	40
U63	63	148,00	66,50	1012	-	15
∅		mm	mm	g	units.	units.

### ELBOW 45°



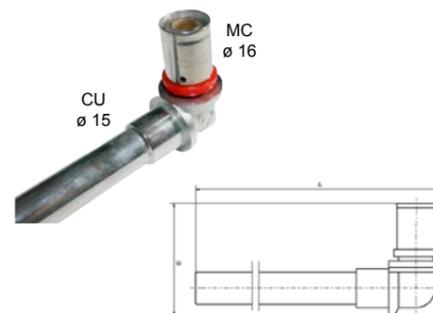
Reference	Measure	A	B	Weight		
C4540	40	139,14	43,00	401	-	40
C4550	50	153,00	53,00	442	-	24
C4563	63	207,35	66,50	1113	-	10
∅		mm	mm	g	units.	units.

### REDUCER



Reference	Measure	A	B	Weight		
R1816	18 - 16	57,20	22,30	37	40	320
R2016	20 - 16	57,20	24,30	55	37	296
R2018	20 - 18	57,20	24,30	57	35	280
R2516	25 - 16	65,10	30,28	80	20	160
R2518	25 - 18	65,10	30,28	72	20	160
R2520	25 - 20	65,10	30,28	86	20	160
R3216	32 - 16	65,30	37,30	104	15	120
R3218	32 - 18	65,30	37,30	100	14	112
R3220	32 - 20	65,30	37,30	114	12	96
R3225	32 - 25	73,20	37,30	132	12	96
R4025	40 - 25	88,10	43,00	234	-	60
R4032	40 - 32	88,30	43,00	248	-	60
R5032	50 - 32	88,10	53,00	309	-	36
R5040	50 - 40	101,20	53,00	386	-	40
R6340	63 - 40	124,60	66,50	715	-	20
R6350	63 - 50	124,60	66,50	729	-	15
∅		mm	mm	g	units.	units.

### RADIATOR ELBOW



Reference	Measure	A	B	Weight		
CR1615	16 - 15	230,00	51,57	130	6	108
∅		mm	mm	g	units.	units.

### ELBOW



Reference	Measure	A	B	Weight		
C16	16	46,40	20,30	53	32	256
C18	18	47,75	22,30	63	25	200
C20	20	49,85	24,30	74	22	176
C25	25	64,15	30,28	134	11	88
C32	32	71,35	37,30	194	6	48
C40	40	95,53	43,00	406	-	40
C50	50	106,60	53,00	566	-	24
C63	63	142,25	66,50	1264	-	10
∅		mm	mm	g	units.	units.

### TEE



Reference	Measure	A	B	Weight		
T16	16	71,20	45,75	75	20	160
T18	18	73,20	47,75	91	20	160
T20	20	75,20	49,75	107	14	112
T25	25	98,00	64,14	192	6	48
T32	32	105,40	71,05	273	4	32
T40	40	145,20	95,52	568	-	24
T50	50	157,20	106,55	778	-	12
T63	63	216,00	142,25	1766	-	6
∅		mm	mm	g	units.	units.





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## MULTILAYER ACCESSORIES

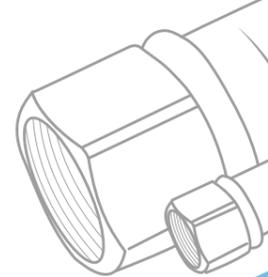
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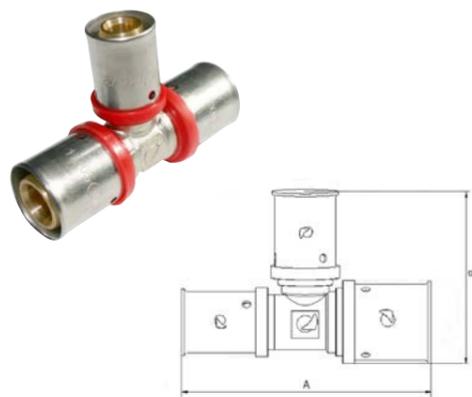
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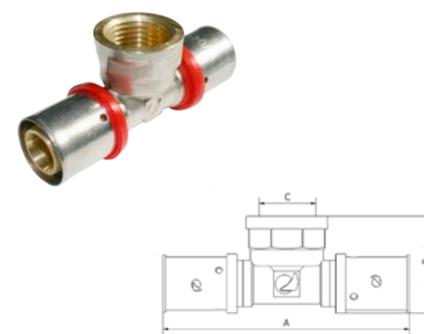


### REDUCER TEE



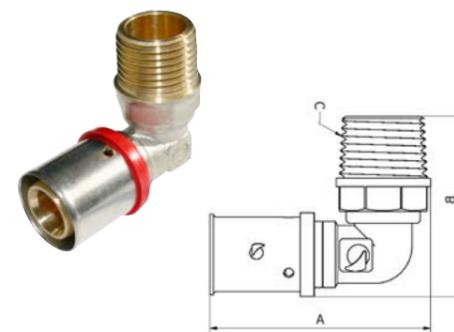
Reference	Measure	A	B	Weight		
TR162016	16-20-16	73,20	46,75	91	18	144
TR162516	16-25-16	81,20	55,15	110	10	80
TR181616	18-16-16	73,20	47,75	81	20	160
TR181618	18-16-18	73,20	47,75	87	20	160
TR201616	20-16-16	71,20	49,75	89	20	160
TR201620	20-16-20	71,20	49,75	96	14	112
TR201816	20-18-16	73,20	49,75	85	20	160
TR201820	20-18-20	73,20	49,75	106	14	112
TR202016	20-20-16	76,20	49,75	102	18	144
TR202520	20-25-20	80,20	64,62	152	8	64
TR251616	25-16-16	84,10	54,80	110	10	80
TR251620	25-16-20	84,10	54,80	127	10	80
TR251625	25-16-25	91,00	54,80	150	9	72
TR251825	25-18-25	91,00	55,75	146	9	72
TR252016	25-20-16	85,10	55,15	132	9	72
TR252020	25-20-20	84,10	54,75	134	10	80
TR252025	25-20-25	92,00	55,25	160	8	64
TR252520	25-25-20	88,60	64,15	165	7	56
TR253225	25-32-25	101,00	67,35	234	5	40
TR321632	32-16-32	96,40	62,25	204	5	40
TR321832	32-18-32	96,40	60,65	208	5	40
TR322032	32-20-32	96,40	62,25	220	5	40
TR322520	32-25-20	89,80	69,15	182	5	40
TR322525	32-25-25	98,70	69,15	225	5	40
TR322532	32-25-32	98,40	71,15	240	5	40
TR323225	32-32-25	102,70	89,85	249	5	40
TR402540	40-25-40	124,70	100,92	430	-	32
TR403240	40-32-40	130,70	102,72	460	-	32
TR503250	50-32-50	135,60	118,00	597	-	20
TR504050	50-40-50	138,00	130,00	689	-	18
TR634063	63-40-63	185,00	149,25	1330	-	10
TR635063	63-50-63	196,00	147,25	1409	-	10
$\varnothing$	mm	mm	mm	g	units.	units.

### FEMALE TEE



Reference	Measure	A	B	C	Weight		
TH1612	16 - 1/2"	83,20	33,15	G1/2	104	16	128
TH1812	18 - 1/2"	83,20	36,15	G1/2	102	14	112
TH2012	20 - 1/2"	83,20	37,15	G1/2	120	12	96
TH2034	20 - 3/4"	89,20	37,15	G3/4	155	10	80
TH2512	25 - 1/2"	99,00	41,64	G1/2	171	8	64
TH2534	25 - 3/4"	105,00	41,64	G3/4	205	7	56
TH251	25 - 1"	113,00	41,64	G1	167	5	40
TH3234	32 - 3/4"	105,40	48,15	G3/4	256	4	32
TH321	32 - 1"	113,40	49,15	G1	227	3	24
TH40114	40 - 1 1/4"	151,20	63,00	G11/4	528	-	20
TH50112	50 - 1 1/2"	157,20	73,00	G11/2	693	-	16
TH632	63 - 2"	220,00	87,25	G2	1473	-	6
$\varnothing$	mm	mm	mm		g	units.	units.

### MALE ELBOW



Reference	Measure	A	B	C	Weight		
CM1612	16 - 1/2"	53,10	43,65	R1/2	73	25	200
CM1634	16 - 3/4"	57,04	42,15	R3/4	102	20	160
CM1812	18 - 1/2"	56,60	44,65	R1/2	75	25	200
CM2012	20 - 1/2"	52,60	46,99	R1/2	85	20	160
CM2034	20 - 3/4"	57,10	47,65	R3/4	91	14	112
CM2512	25 - 1/2"	60,50	50,15	R1/2	121	12	96
CM2534	25 - 3/4"	65,00	53,15	R3/4	128	12	96
CM251	25 - 1"	70,00	58,15	R1	154	8	64
CM321	32 - 1"	70,20	64,15	R1	196	8	64
$\varnothing$	mm	mm	mm		g	units.	units.

### FEMALE ELBOW



Reference	Measure	A	B	C	Weight		
CH1612	16 - 1/2"	55,60	29,50	G1/2	71	30	240
CH1634	16 - 3/4"	61,10	32,00	G3/4	83	18	144
CH1812	18 - 1/2"	55,60	30,00	G1/2	73	25	200
CH1834	18 - 3/4"	60,10	32,10	G3/4	103	18	144
CH2012	20 - 1/2"	55,60	33,00	G1/2	86	22	176
CH2034	20 - 3/4"	60,00	33,00	G3/4	91	15	120
CH2512	25 - 1/2"	63,50	36,50	G1/2	109	12	96
CH2534	25 - 3/4"	69,00	36,50	G3/4	127	10	80
CH251	25 - 1"	75,00	37,50	G1	145	8	64
CH3234	32 - 3/4"	69,70	41,50	G3/4	153	8	64
CH321	32 - 1"	76,50	43,00	G1	187	8	64
CH40114	40 - 1 1/4"	100,60	54,75	G11/4	351	-	32
CH50112	50 - 1 1/2"	107,60	64,25	G11/2	464	-	20
CH632	63 - 2"	145,50	76,75	G2	991	-	12
$\varnothing$	mm	mm	mm		g	units.	units.





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## MULTILAYER ACCESSORIES

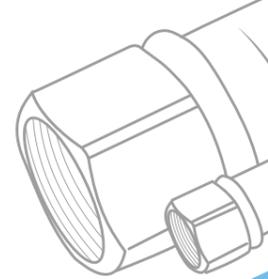
For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes



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## MULTILAYER ACCESSORIES

For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

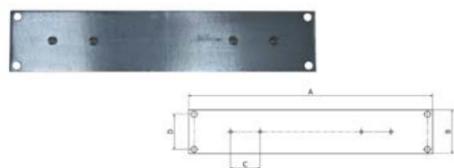


### WALL PLATED FEMALE ELBOW



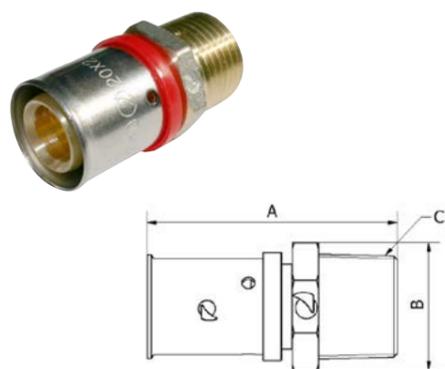
Reference	Measure	A	B	C	Weight	⊕	⊞
CSH1612	16 - 1/2"	46,00	55,60	G1/2	107	14	112
CSH1812	18 - 1/2"	46,00	55,60	G1/2	100	14	112
CSH2012	20 - 1/2"	46,00	55,60	G1/2	120	12	96
CSH2034	20 - 3/4"	47,50	61,60	G3/4	148	10	80
CH2534	25 - 3/4"	47,50	69,50	G3/4	152	10	80
	∅	mm	mm		g	units.	units.

### PLATE FOR WALL PLATED FEMALE ELBOW



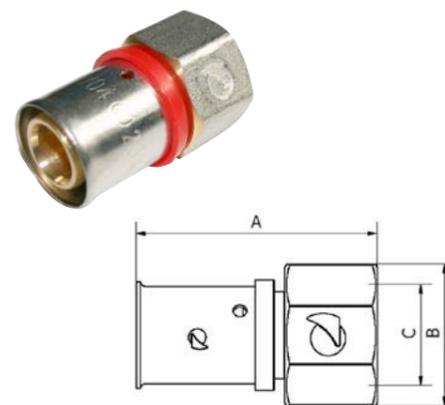
Reference	A	B	C	D	Weight	⊕	⊞
PLACA	255,00	50,00	34,00	40,00	236	10	100
	mm	mm	mm	mm	g	units.	units.

### MALE UNION



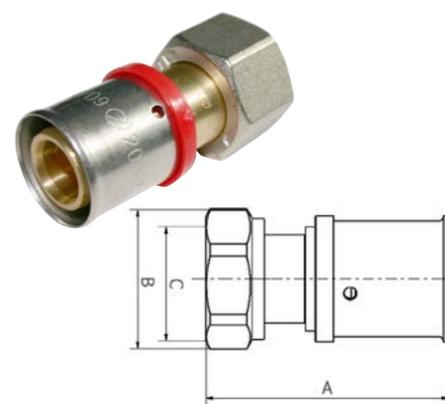
Reference	Measure	A	B	C	Weight	⊕	⊞
EM1638	16 - 3/8"	44,60	21,50	R3/8	39	50	400
EM1612	16 - 1/2"	46,60	26,00	R1/2	50	50	400
EM1634	16 - 3/4"	47,60	31,00	R3/4	64	40	320
EM1812	18 - 1/2"	46,60	26,00	R1/2	53	40	320
EM1834	18 - 3/4"	47,60	31,00	R3/4	60	35	280
EM2012	20 - 1/2"	46,60	26,00	R1/2	57	40	320
EM2034	20 - 3/4"	47,60	31,00	R3/4	70	35	280
EM201	20 - 1"	48,60	39,00	R1	97	24	192
EM2512	25 - 1/2"	54,50	26,00	R1/2	75	20	160
EM2534	25 - 3/4"	55,50	31,00	R3/4	93	18	144
EM251	25 - 1"	56,50	39,00	R1	114	16	128
EM3234	32 - 3/4"	55,70	31,00	R3/4	105	12	96
EM321	32 - 1"	56,70	39,00	R1	129	14	112
EM32114	40 - 1"	72,10	40,00	R1	177	8	64
EM40114	40 - 1"1/4"	74,10	50,00	R11/4	251	-	60
EM50114	50 - 1"1/4"	76,60	51,00	R11/4	345	-	40
EM50112	50 - 1"1/2"	76,60	56,50	R11/2	343	-	45
EM63114	63 - 1"1/4"	100,00	65,00	R11/4	656	-	24
EM63112	63 - 1"1/2"	106,00	88,00	R11/2	687	-	24
EM632	63 - 2"	102,00	69,50	R2	699	-	20
	∅	mm	mm		g	units.	units.

### FEMALE UNION



Reference	Measure	A	B	C	Weight	⊕	⊞
EH1612	16-1/2"	43,60	28,00	G1/2	54	40	320
EH1634	16-3/4"	43,60	33,00	G3/4	60	30	240
EH1812	18-1/2"	43,60	28,00	G1/2	59	40	320
EH1834	18-3/4"	43,60	33,00	G3/4	84	30	240
EH2012	20-1/2"	43,60	28,00	G1/2	61	35	280
EH2034	20-3/4"	43,60	33,00	G3/4	67	30	240
EH201	20-1"	44,60	41,00	G1	119	20	160
EH2512	25-1/2"	51,50	28,00	G1/2	82	20	160
EH2534	25-3/4"	51,50	33,00	G3/4	95	20	160
EH251	25-1"	52,50	41,00	G1	117	12	96
EH3234	32-3/4"	51,70	33,00	G3/4	107	16	128
EH321	32-1"	52,70	41,00	G1	131	12	96
EH401	40-1"	65,60	41,00	G1	207	-	80
EH40114	40-1"1/4"	67,10	51,00	G11/4	250	-	65
EH40112	40-1"1/2"	67,10	58,00	G11/2	275	-	36
EH50114	50-1"1/4"	67,10	51,00	G11/4	277	-	36
EH50112	50-1"1/2"	67,10	58,00	G11/2	316	-	36
EH502	50-2"	69,60	72,00	G2	404	-	20
EH632	63-2"	93,00	72,00	G2	690	-	20
	∅	mm	mm		g	units.	units.

### DESMOUNTABLE FEMALE UNION



Reference	Measure	A	B	C	Weight	⊕	⊞
RM1612	16 - 1/2"	52,60	28,00	G1/2	68	48	384
RM1634	16 - 3/4"	50,00	33,00	G3/4	75	30	240
RM1812	18 - 1/2"	52,60	28,00	G1/2	72	42	336
RM1834	18 - 3/4"	53,60	33,00	G3/4	83	24	192
RM2012	20 - 1/2"	52,60	28,00	G1/2	76	30	240
RM2034	20 - 3/4"	53,60	33,00	G3/4	88	24	192
RM201	20 - 1"	56,60	41,00	G1	123	20	160
RM2512	25 - 1/2"	61,00	28,00	G1/2	100	20	160
RM2534	25 - 3/4"	61,50	33,00	G3/4	160	18	144
RM251	25 - 1"	68,00	41,00	G1	113	14	112
RM321	32 - 1"	68,20	41,00	G1	184	14	112
	∅	mm	mm		g	units.	units.





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## MULTILAYER ACCESSORIES

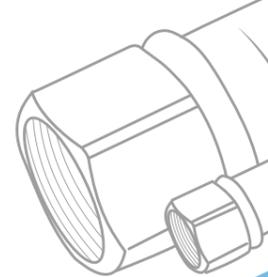
For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes



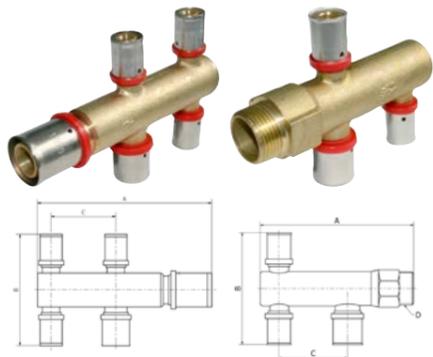
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## MULTILAYER ACCESSORIES

For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

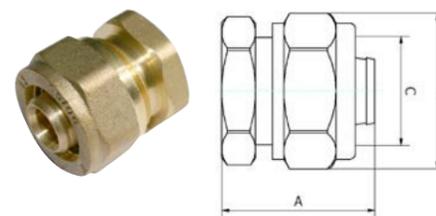


### DISTRIBUTOR



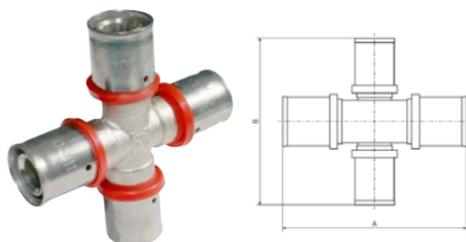
Reference	Measure	A	B	C	D	Weight	☒	☒
D2520161616	25 20-16-16-16	140	89,20	52	-	389	5	40
D34M201616	3/4 20-16-16	116	90,40	52	G3/4	313	5	40
	∅	mm	mm			g	units.	units.

### PLUG RECOVERABLE



Reference	Measure	A	B	C	Weight	☒	☒
TAP16R	16	27,00	25,00	G3/4	65	48	384
	∅	mm	mm	mm	g	units.	units.

### CROSS



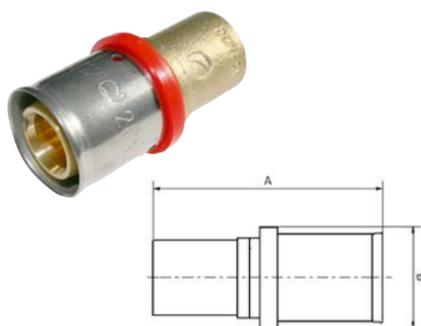
Reference	Measure	A	B	Weight	☒	☒
DC25202020	25-20-20-20	90,40	82,50	196	6	48
DC25201616	25-20-16-16	86,48	78,55	164	5	40
DC20201616	20-20-16-16	78,55	78,55	128	10	80
DC20202020	20-20-20-20	82,50	82,50	147	5	40
DC20162016	20-16-20-16	82,50	74,60	119	5	40
	∅	mm	mm	g	units.	units.

### INOX RING



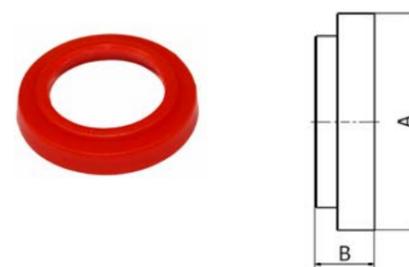
Reference	Measure	A	B	Weight	☒	☒
CI16	16	24,14	18,17	7	-	100
CI18	18	24,00	20,60	8	-	100
CI20	20	23,90	22,70	10	-	100
CI25	25	31,60	28,12	17	-	50
CI32	32	31,70	34,80	22	-	30
CI40	40	43,60	43,00	46	-	10
CI50	50	43,35	52,74	59	-	10
CI63	63	66,30	66,40	137	-	10
	∅	mm	mm	g	units.	units.

### COPPER-MULTILAYER ADAPTER



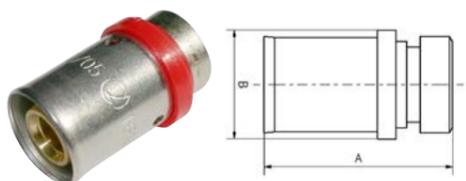
Reference	Measure	A	B	Weight	☒	☒
ADC12M16	CU12 - MC16	46,10	20,30	29	50	400
ADC15M16	CU15 - MC16	46,10	20,30	32	50	400
ADC18M16	CU18 - MC16	46,60	20,30	45	45	360
ADC18M18	CU18 - MC18	46,60	22,30	37	30	240
ADC15M20	CU15 - MC20	46,60	24,30	43	30	240
ADC18M20	CU18 - MC20	46,60	24,30	52	30	240
ADC22M20	CU22 - MC20	46,60	24,30	58	20	160
ADC22M25	CU22 - MC25	54,50	30,30	75	20	160
ADC28M25	CU28 - MC25	54,50	30,38	77	20	160
ADC28M32	CU28 - MC32	54,70	37,30	98	16	128
	∅	mm	mm	g	units.	units.

### ELECTROLYSIS JOINT



Reference	Measure	A	B	Weight	☒	☒
JE16	16	20,40	5,50	0,50	-	100
JE18	18	22,30	5,50	0,50	-	100
JE20	20	24,30	5,50	0,50	-	100
JE25	25	30,30	5,50	0,50	-	100
JE32	32	37,30	6,00	1,00	-	100
JE40	40	45,85	8,00	2,00	-	100
JE50	50	55,90	8,00	2,00	-	100
JE63	63	68,50	9,00	6,00	-	100
	∅	mm	mm	g	units.	units.

### PLUG PRESS



Reference	Measure	A	B	Weight	☒	☒
TAPP16	16	31,52	20,30	28	48	384
TAPP18	18	30,50	22,30	27	50	400
	∅	mm	mm	g	units.	units.

### EPDM O-RING



Reference	Measure	A	B	Weight	☒	☒
JG16	16	12,1	1,6	0,50	-	100
JG18	18	14,1	1,6	0,50	-	100
JG20	20	16,1	1,6	0,50	-	100
JG25	25	20,1	2,1	0,50	-	100
JG32	32	26,1	2,1	1,00	-	100
JG40	40	32,0	2,0	2,00	-	100
JG50	50	41,0	2,0	2,00	-	100
JG63	63	51,0	2,2	6,00	-	100
	∅	mm	mm	g	units.	units.

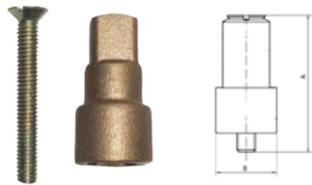


VALVES AND HANDLES FOR VALVES

MULTILAYER ACCESSORIES

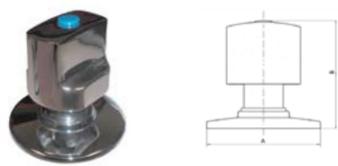
For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

EXTENSION



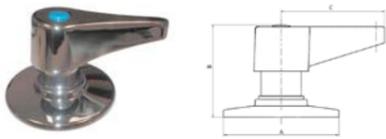
Reference	Measure	A	B	Weight		
ALAR	20	30,00	13,00	18	125	1000
	mm	mm	mm	g	units.	units.

ROUND HANDLE AND SHIELD FOR VALVES Ref. VAL / VR / VALU



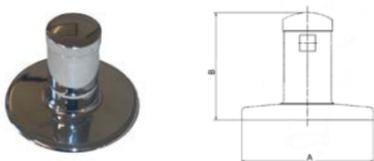
Reference	A	B	Weight		
MR	70,00	68,00	122	5	150
	mm	mm	g	units.	units.

LEVER HANDLE AND SHIELD FOR VALVES Ref. VAL / VR / VALU



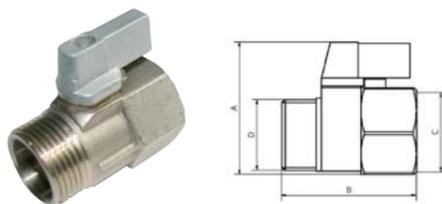
Reference	A	B	C	Weight		
MP	70,00	57,00	62,00	126	5	150
	mm	mm	mm	g	units.	units.

OCCULT HANDLE AND SHIELD FOR VALVES Ref. VAL / VR / VALU



Reference	A	B	Weight		
MO	69,00	52,50	98	5	150
	mm	mm	g	units.	units.

MINI VALVE ADAPTABLE TO MANIFOLD



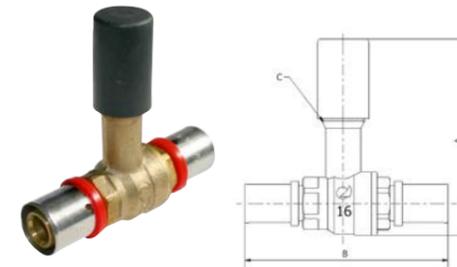
Reference	Measure	A	B	C	D	Weight		
VM12	1/2"	44,00	45,00	G1/2	G1/2	105	10	80
VM34	3/4"	49,00	49,50	G3/4	G3/4	138	10	80
	∅	mm	mm	mm	mm	g	units.	units.

VALVES AND HANDLES FOR VALVES

MULTILAYER ACCESSORIES

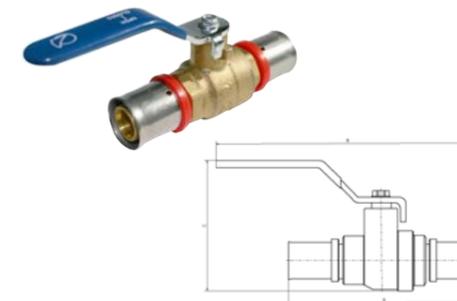
For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

BALL VALVE



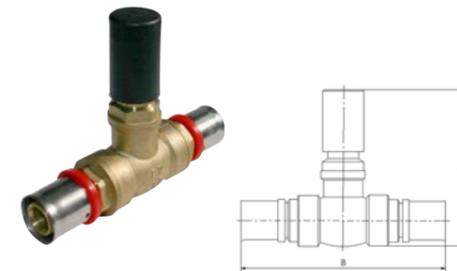
Reference	Measure	A	B	C	Weight		
VAL16	16	90,00	93,20	M20 X 1,25	249	5	40
VAL20	20	90,00	93,20	M20 X 1,25	276	5	40
VAL25	25	93,00	115,00	M20 X 1,25	380	5	40
VAL32	32	97,50	117,40	M20 X 1,25	468	4	32
	∅	mm	mm	mm	g	units.	units.

LINE BALL VALVE



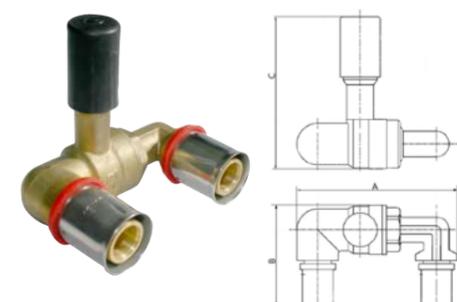
Reference	Measure	A	B	C	Weight		
VALLIN16	16	93,20	128,10	63,32	209	5	40
VALLIN20	20	93,40	128,20	63,31	223	5	40
VALLIN25	25	115,00	157,00	72,00	360	5	40
VALLIN32	32	117,40	159,20	72,00	439	4	32
	∅	mm	mm	mm	g	units.	units.

REGULATION VALVE

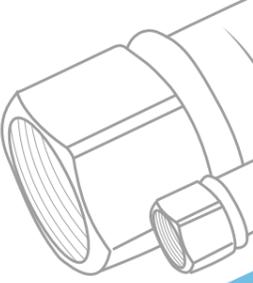


Reference	Measure	A	B	Weight		
VR16	16	114,00	89,90	333	5	40
VR20	20	117,40	90,30	356	5	40
VR25	25	129,90	93,88	444	5	40
	∅	mm	mm	g	units.	units.

U-BALL VALVE



Reference	Measure	A	B	C	Weight		
VALU16	16	94,45	59,50	89,20	388	4	32
VALU20	20	95,50	59,70	89,40	380	4	32
VALU25	25	99,80	67,80	90,24	445	4	32
	∅	mm	mm	mm	g	units.	units.



## IMPLEMENTS AND TOOLS

### MULTILAYER ACCESSORIES

For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

#### DRILL



Reference	Characteristics	Long Brief-case	Width Suitcase	Prof. Brief-case	Weight Brief-case		
TALADRO	Drilling machine with adjustment for tightening.	31,0	28,0	10,0	3751	-	5
		cm	cm	cm	g	units.	units.

Technical characteristics	
Inactivity rotation speed	0-350 / 0-900 rpm
Rotation coupling level	19 + 1
Chuck tightening capacity	max. 10 mm
Charge voltage, accumulator	18V d.c
Charge current, accumulator	400 mA
Mains voltage, charger	230V - 50Hz
Loading time	3 - 5 h
Battery Type	NI - CD
Machine weight	1,7 Kg

#### REAMER



Adaptable to any type of domestic electric drill

Reference	Measure	Long	Width	Deep	Weight		
AE16	16	6,50	3,50	3,50	51	-	1
AE18	18	6,50	2,50	3,50	52	-	1
AE20	20	6,50	3,50	3,50	64	-	1
AE25	25	6,50	4,00	4,00	83	-	1
AE32	32	6,50	4,00	4,00	102	-	1
AE40	40	6,50	5,00	5,00	152	-	1
AE50	50	6,50	6,25	6,25	483	-	1
AE63	63	6,50	7,50	7,50	703	-	1
	∅	cm	cm	cm	g	units.	units.

#### REAMER HANDLE



Reference	Long	Width	Deep	Weight		
MAN	13	5	5	156	-	1
	cm	cm		g	units.	units.

#### KIT REAMER



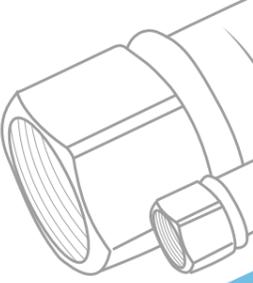
Includes Knob and flares ∅16, ∅20 and ∅25

Reference	Measure	Long	Width	Deep	Weight		
KITA	16 - 20 - 25	24	20	5	551	-	1
	∅	cm	cm	cm	g	units.	units.

## IMPLEMENTS AND TOOLS

### MULTILAYER ACCESSORIES

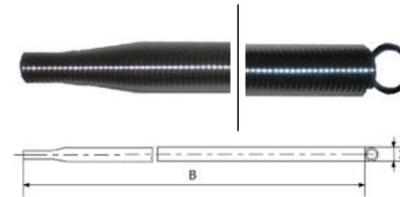
For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes



#### CALIBRATOR REAMER

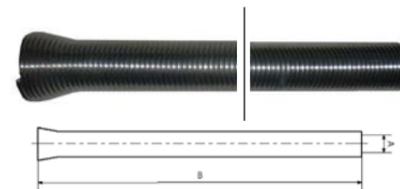


Reference	Measure	Long	Width	Deep	Weight		
A161820	16 - 18 - 20	10	9	2,5	56	9	72
A202532	20 - 25 - 32	12	11	2,5	85	10	100
	∅	cm	cm	cm	g	units.	units.



#### INTERIOR SPRING

Reference	Measure	A	B	Weight		
MUELLINT16	16	11,00	800	186	-	90
MUELLINT20	20	16,50	800	290	-	80
MUELLINT25	25	17,00	800	490	-	40
MUELLINT32	32	22,50	800	645	-	20
	∅	mm	mm	g	units.	units.



#### EXTERIOR SPRING

Reference	Measure	A	B	Weight		
MUELLEX16	16	18,00	500	318	-	60
MUELLEX18	18	20,00	500	497	-	43
MUELLEX20	20	22,00	500	478	-	25
MUELLEX25	25	28,00	500	724	-	25
MUELLEX32	32	34,00	500	1009	-	25
	∅	mm	mm	g	units.	units.

#### LUBRICANT



Reference	Characteristics	High	∅	Weight		
L-400		21,0	6,00	375	4	24
		cm	cm	g	units.	units.

Transparent fluid of extreme quality. Its optimal results do not take long to manifest themselves in its application between contact surfaces protecting and eliminating moisture, it is anticorrosive and highly lubricant. Specific protector for joints and seals. Volume 400 ml

#### SCISSORS



Reference	For tubes	Long	Width	Deep	Weight		
TIJ1632	∅16 hasta ∅32	10,5	23,0	2,5	544	-	1
		cm	cm	cm	g	units.	units.

MANIFOLDS  
PLUMBING / HEATING

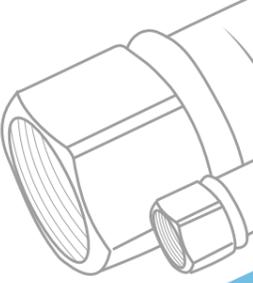
### MULTILAYER ACCESSORIES

For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

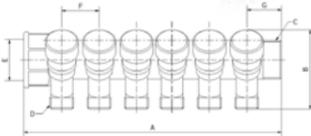
MANIFOLDS  
PLUMBING / HEATING

### MULTILAYER ACCESSORIES

For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

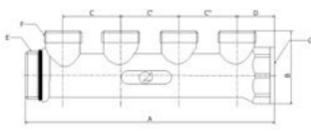


#### MANIFOLD WITH REGULATION VALVES 3/4" 1/2" - 1" 1/2" DOES NOT INCLUDE EURO-CONNECTORS



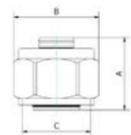
Reference	Measure	A	B	C	D	E	F	G	Weight	⊠	⊠
COVS34212	3/4" - 2 - 1/2"	87,66	76,60	G3/4	G1/2	G3/4	35,00	31,40	342	1	20
COVS34312	3/4" - 3 - 1/2"	123,22	72,17	G3/4	G1/2	G3/4	35,00	31,40	463	1	10
COVS34412	3/4" - 4 - 1/2"	153,85	72,30	G3/4	G1/2	G3/4	35,00	31,40	519	1	10
COVS1212	1" - 2 - 1/2"	99,84	78,60	G1	G1/2	G1	35,00	31,40	397	1	20
COVS1312	1" - 3 - 1/2"	128,76	84,20	G1	G1/2	G1	35,00	31,40	623	1	10
COVS1412	1" - 4 - 1/2"	164,70	84,05	G1	G1/2	G1	35,00	31,40	797	1	10
COVS1512	1" - 5 - 1/2"	200,75	84,80	G1	G1/2	G1	35,00	31,40	950	1	4
∅		mm	mm	mm	mm	mm	mm	mm	g	units.	units.

#### MANIFOLD 1" 3/4" - 1" 1/2" - 3/4" 1/2" DOES NOT INCLUDE EUROCONNECTORS



Reference	Measure	A	B	C	D	E	F	G	Weight	⊠	⊠
COSE1234	1" - 2 - 3/4"	92,00	50,00	40,00	26,00	G1	G3/4	G1	219	6	48
COSE1334	1" - 3 - 3/4"	130,00	50,00	40,00	26,00	G1	G3/4	G1	306	3	24
COSE1434	1" - 4 - 3/4"	134,00	50,00	40,00	26,00	G1	G3/4	G1	383	3	24
COSE1212	1" - 2 - 1/2"	83,00	49,83	35,00	24,40	G1/2	G1	G1	185	6	48
COSE1312	1" - 3 - 1/2"	118,00	49,83	35,00	24,40	G1/2	G1	G1	245	3	24
COSE1412	1" - 4 - 1/2"	153,00	49,83	35,00	24,40	G1/2	G1	G1	282	3	24
COSE34212	3/4" - 2 - 1/2"	81,20	41,50	35,00	23,45	R1/2	R3/4	G3/4	141	10	80
COSE34312	3/4" - 3 - 1/2"	115,95	41,50	34,75	23,45	R1/2	R3/4	G3/4	194	4	32
COSE34412	3/4" - 4 - 1/2"	150,70	41,33	34,75	23,45	R1/2	R3/4	G3/4	194	4	32
∅		mm	mm	mm	mm	mm	mm	mm	g	unt.	unt.

#### EUROCONNECTOR FOR MULTILAYER PIPE / I-PERT 3/4" - 1/2" valid for ref.: COVS and COSE

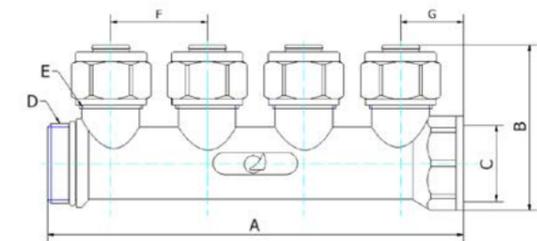


Reference	Measure	A	B	C	Weight	⊠	⊠
EURMC1634	16 - 3/4"	27,40	33,00	G3/4	77	40	320
EURMC1834	18 - 3/4"	28,20	33,00	G3/4	78	40	320
EURMC2034	20 - 3/4"	27,40	33,00	G3/4	69	40	320
EURMC1612	16 - 1/2"	22,00	27,00	G1/2	45	50	400
EURPEX1612	16 - 1/2"	22,40	26,00	G1/2	41	50	400
∅		mm	mm	mm	g	units.	units.

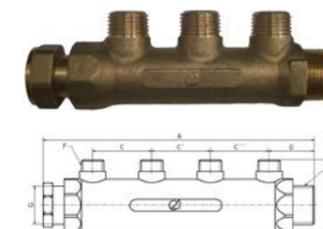
#### MANIFOLD 1" 1/2" - 3/4" 1/2" INCLUDES EUROCONNECTORS



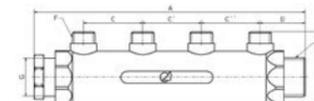
Reference	Measure	A	B	C	D	E	F	G	Weight	⊠	⊠
CO1212	1" - 2 - 1/2"	83,00	66,84	G1	G1	G1/2	35,00	24,40	261	6	48
CO1312	1" - 3 - 1/2"	118,00	65,27	G1	G1	G1/2	35,00	24,40	380	3	24
CO1412	1" - 4 - 1/2"	153,00	65,00	G1	G1	G1/2	35,00	24,40	465	3	24
CO34212	3/4" - 2 - 1/2"	81,20	59,50	R3/4	G3/4	R1/2	35,00	23,45	235	10	80
CO34312	3/4" - 3 - 1/2"	115,95	59,50	R3/4	G3/4	R1/2	35,00	23,45	331	4	32
CO34412	3/4" - 4 - 1/2"	150,70	59,50	R3/4	G3/4	R1/2	35,00	23,45	416	4	32
CO34512	3/4" - 5 - 1/2"	185,45	59,50	R3/4	G3/4	R1/2	35,00	23,45	501	4	32
∅		mm	mm	mm	mm	mm	mm	mm	g	units.	units.



#### MANIFOLD WITH MOBILE NUT 3/4" 1/2" DOES NOT INCLUDE EUROCONNECTORS



Reference	Measure	A	B	C	D	E	F	G	Weight	⊠	⊠
COTM34412	3/4" - 4 - 1/2"	185,80	44,26	36,00	31,80	G3/4	G1/2	G3/4	508	5	40
∅		mm	mm	mm	mm	mm	mm	mm	g	units.	units.



## IMPLEMENTS AND TOOLS

### MULTILAYER ACCESSORIES

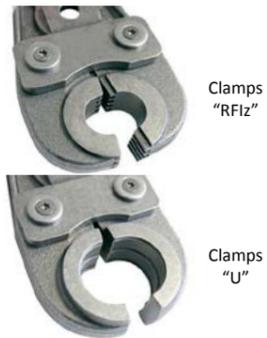
For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

## BOXES FOR MANIFOLD PLUMBING / HEATING

### MULTILAYER ACCESSORIES

For 16x2, 18x2, 20x2, 25x2.5, 32x3, 40x4, 50x4.5, 63x6 tubes

#### JAWS "RFIz" and "U"



Clamps "RFIz"

Clamps "U"

Adaptable to the majority of radial presses existing in the market

Reference	Measure	Long	Width	Deep	Weight		
RFIz 16	16	9,5	14,5	4,5	1834	-	1
RFIz 20	20	9,5	14,5	4,5	1818	-	1
RFIz 25	25	10	15,5	4,5	2112	-	1
RFIz 32	32	10	14,4	4,5	1824	-	1
RFIz 40	40	10	16,5	4,5	2256	-	1
U 18	18	9,5	14,5	4,5	1818	-	1
U 50	50	10	18	4,5	2355	-	1
U 63	63	17	22	5,5	4856	-	1
	∅	cm	cm	cm	g		units.

#### POWER PRESS



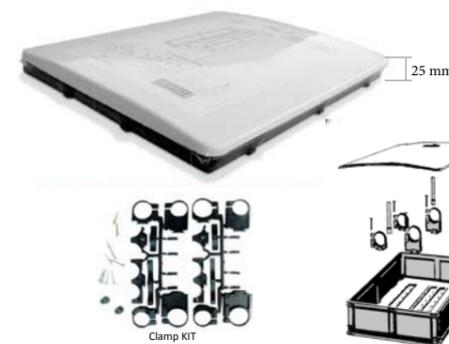
Reference	Characteristics		
572111	<p>Electro-mechanical actuating machine with maintenance-free gear with sliding clutch for safety.</p> <p>Proven universal motor, 230V, 50-60Hz, 500W.</p> <p>The pressing tongs remain closed until the recoil connection, therefore, possibility of visually checking the correct pressing.</p> <p>Packed in tough metal case</p> <p>The machine does not include jaws.</p> <p>Thrust force 32kN.</p>	-	1
			units.

#### AKKU PRESS

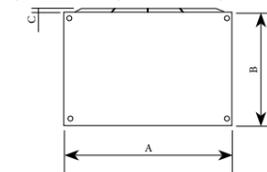


Reference	Characteristics		
571014	<p>Electro-hydraulic actuating machine with gear.</p> <p>Optimal weight distribution for one-handed operation.</p> <p>Rotating press holder.</p> <p>Piston pump with robust planetary gear.</p> <p>Powerful motor by accumulation of 12V 12V, 2Ah accumulator.</p> <p>Fast charger 230V, 50W.</p> <p>Automatic Circuit Control (ACC): Automatic recoil after completing the pressing process. Optical indicator after 10,000 pressings.</p> <p>Packed in tough metal case</p> <p>The machine does not include jaws.</p> <p>Thrust force 32kN</p>	-	1
			units.

#### MANIFOLD HEATING FOLDING BOX INCLUDES CLAMPS FOR 3/4 "AND 1" MANIFOLD



Reference	A	B	C	Weight		
CAJAPLAST320	320	265	95	1200	-	1
CAJAPLAST420	400	265	95	1430	-	1
CAJAPLAST500	500	265	95	1750	-	1
	mm	mm	mm	g		units.



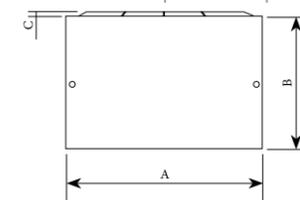
#### DEPLOYMENT PROCESS



#### MANIFOLD HEATING BOX INCLUDES 6 CLAMPS FOR 3/4 "MANIFOLD

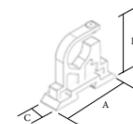


Reference	A	B	C	Weight		
COCAL500	320	300	95	627	-	1
COCAL602	470	300	95	836	-	1
COCAL700	570	300	95	1125	-	1
	mm	mm	mm	g		units.



#### Clamp 3/4"

Model	A	B	C	Peso
Higher	70	60	15	16
Lower	70	45	15	12
	mm	mm	mm	g



#### CLAMPS FOR 1 "MANIFOLD



Reference	Measure	Model	A	B	C	Weight		
ACOCAL1	1"	Higher	70	60	15	16	-	6
		Lower	70	45	15	12		
	∅		mm	mm	mm	g		units.