



شركة قناة الإقليمية
CANAL REGIONAL COMPANY

نصنع الجودة ...
منذ أكثر من نصف قرن ...

CHANAL



شركة قناة الإقليمية
Canal Regional Company



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CANAL REGIONAL COMPANY

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Sulaiman Al Obaid Sons Co. Ltd. was established in 1966 working in sanitary ware business. Since the beginning of the company, it has taken as its policy to expand and diversify. As part of this, Al Obaid Plastic Manufacturer was established to manufacture PVC and CPVC pipe fittings under the brand name **CHANAL** and other sanitary products made of P.P., P.S., ABS etc.

In the year 2006 Al-Obaid Plastic Manufacturers was certified for compliance to ISO 9001:2000 Quality Management system by Intertek certification body. In the year 2010 the Al-Obaid Manufacturers Quality Management Systems were upgraded and certified to ISO 9001:2008 standards by the same certification body.

In a major expansion in April 2008, Sulaiman Al-Obaid Co. Ltd., is transits from Limited Liability Company to Closed Joint Stock Company and renamed as "Canal International Investments Company". As a result of this transition paid capital of the company was increased from 0.5 Million Riyals to 88.5 Million Riyals.

تأسست شركة أبناء سليمان العبيد عام 1966م , و هي تعمل في مجال الأدوات الصحية و تسويقها. أثر ذلك بدأت الشركة في الانتشار و التطور و تم تأسيس " مصنع العبيد للصناعات البلاستيكية " لإنتاج الأنابيب والوصلات البلاستيكية من مادة (PP,PS,ABS) مع مستلزمات الأدوات الصحية الأخرى وتحمل العلامة التجارية (شائل CHANAL) .

في عام 2006م أصبح " مصنع العبيد للصناعات البلاستيكية " حائزا على شهادة الأيزو (انترتيك) لنظام إدارة الجودة 9001 – 2000 وفي عام 2010م تم رفع كفاءة نظام إدارة الجودة " لمصنع العبيد للصناعات البلاستيكية " وحصل على شهادة الأيزو (انترتيك) 9001 – 2008 .

شهدت شركة " أبناء سليمان العبيد " توسعا رئيسيا في أبريل 2008م حيث انتقلت من شركة ذات مسئولية محدودة إلى شركة مساهمة مغلقة وإعادة تسميتها بـ " شركة قناة العالمية للاستثمار " ونتيجة لهذا التحول تم زيادة رأس مال الشركة من 0.5 مليون ريال إلى 88.5 مليون ريال .

Intertek



Certificate Number
40670

Initial Certification Date
2 November 2006

Certificate Issue Date
17 February 2010

Certificate Expiry Date
16 February 2013



GF106-CA-QMS – Issue Date 01/01/2007

Certificate of Registration

The following organization's quality management system has been assessed and registered by Intertek Semko Certification AB as conforming to the requirements of:

ISO 9001:2008

Organization:

Al-Obaid Plastic Manufacturer

PO Box- 2321, Street -305, 3rd Industrial Area, Riyadh -11451, Kingdom of Saudi Arabia

The Quality Management System is applicable to:

Manufacture of extruded plastic pressure-pipes upto 2-inch diameter and injection moulded plastic sanitary fittings

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement.

Intertek Semko Certification AB - Kista (Stockholm), Sweden

FACTORY

Mission:
To provide the best possible water system.

رسالتنا :
التزويد بأفضل نظام مائي ممكن لنقل المياه .

Vision:
To be the leading manufacturer in the field of plastic pipes and fittings.

رؤيتنا :
أن نكون رواد في مجال صناعة وإنتاج الأنابيب والوصلات البلاستيكية .

Strategy:
To make our competitors our success
partners and colleagues in our field.

استراتيجيتنا :
أن نجعل منافسينا في مجالنا حلفاء وشركاء لنا في النجاح .



THE ADVANTAGE

The important fact behind the success and great economy of **CHANAL** pipes , pipe fittings and other sanitary and bath room fittings, is not much in their cost per piece, but rather drastic reduction in installation costs which can be achieved by intelligent exploitation of their light weight, availability in longer lengths, ease of jointing and their immunity from corrosion. These characteristics are of more important to engineers who carryout water supply and sewerage schemes, industrial plant installations, etc., in terms of minimum cost and maximum reliability.

Non-Corrosion:

CHANAL PVC/CPVC products resist corrosion caused by acid, alkalis, oils, salts, moisture and the media inside and outside the pipe. It is particularly reliable for resistance to the severe climatic and soil conditions in Saudi Arabia.

Sanitary:

CHANAL PVC/CPVC products are entirely non-toxic. It will not affect the taste, smell or color of water or liquid nor react with any liquid to cause a precipitation.

Low Flow Loss:

CHANAL PVC/CPVC products have a mirror-smooth inner surface which minimize resistance and impede the build-up of deposits and corrosive scales.

Mechanical Strength:

CHANAL PVC/CPVC products have great tensile strength yet they are flexible enough to withstand displacement in the pipe line. They will not bend or flatten under pressure. They impact resistance so good that it will not break.

Light Weight:

CHANAL products are very less in weight. Their specific weight is one fifth of steel pipe. This cuts down transportation costs and allows installations of products at the reduced costs.

Ease of Installation:

CHANAL products are easy to install, using solvent cement. Pipes can be cut easily for installation.

Ease of Maintenance:

CHANAL products can be quickly repaired with a minimum of complication or cost.

Fire Resistance:

CHANAL PVC/CPVC products does not support combustion. In the event of fire, flames are unable to travel along the pipe. It is self extinguishing.

Durable and Elegant:

CHANAL Bathroom accessories are made with high quality materials in beautiful designs to suits the interiors.

Hot water application:

CHANAL CPVC products are manufactured from Chlorinated polyvinylchloride compound, specially for the hot and cold water transportation applications whose temperature some times reaches to boiling point.

إن الحقيقة الهامة وراء نمو ونجاح منتجات شانل من أنابيب ووصلات وغيرها من مستلزمات الأدوات الصحية ووصلات الحمام اقتصاديا ليست في مقدار التكلفة للقطعة الواحدة وإنما في الواقع لإنخفاض تكاليف التمديدات حيث تتميز بخفة الوزن والمرونة وسهولة التوصيل وعدم التآكل . وهذه خصائص ذات أهمية للمهندسين العاملين في تمديد شبكات المياه وشبكات الصرف الصحي والمنشآت الصناعية وغيرها حيث التكلفة الأدنى والإستفادة القصوى .

غير قابل للصدأ والتآكل :

إن منتجات شانل (CPVC/PVC) مقاومة للتآكل الناتج عن الأحماض والقلويات والزيوت والأملاح والرطوبة من داخل وخارج الأنبوب . وتتميز بفاعلية خاصة في مقاومة الظروف المناخية الشديدة وظروف التربة في المملكة العربية السعودية .

الصرف الصحي :

إن منتجات شانل (CPVC/PVC) لا تحتوي على مواد سامة ولا تؤثر في طعم ورائحة أو لون الماء ولا تتفاعل مع أي سائل يسبب الترسبات.

إنخفاض تدفق المياه :

إن منتجات شانل (CPVC/PVC) تتميز بسطح داخلي ناعم وأملس من شأنه يقلل المقاومة ويمنع تراكم الترسبات والتآكل .

القوة الميكانيكية :

إن منتجات شانل (CPVC/PVC) تتميز بمقاومة الشد وأيضا المرونة الكافية لمقاومة تحمل الضغط في الأنابيب حيث تتميز بقوة المقاومة وعدم الكسر .

الوزن الخفيف :

إن منتجات شانل أقل كثيرا في الوزن حيث أن وزنها خمس وزن الأنابيب الصلب . مما يؤدي إلى تخفيض تكاليف النقل وبالتالي تكلفة المنتج .

سهولة التركيب :

إن منتجات شانل سهلة التركيب وكذلك تستخدم في مذيبيات الأسمنت ويمكن قطعها بسهولة للتركيب .

سهولة الصيانة :

إن منتجات شانل يمكن إصلاحها بسرعة بأقل قدر من التعقيدات والتكلفة .

مقاومة الحريق :

إن منتجات شانل (CPVC/PVC) لا تساعد على الحريق , وفي حالة حدوث حريق فإنها لا تنتقل من خلال الأنابيب لأنها غير قابلة للإشتعال .

الشكل والمتانه :

إن إكسسوارات شانل للحمامات تصنع من مواد عالية الجودة وتتمتع بجمال التصميمات بما يتناسب مع الديكورات الداخلية .

إستخدام المياه الساخنة :

يتم تصنيع منتجات شانل CPVC من مادة (Chlorinated polyvinylchloride compound) خصيصا للماء البارد والحر والتي تصل في بعض الأحيان إلى درجة الغليان .

- Water supplies:** Non-toxic **CHANAL** PVC/CPVC pipes will not affect the taste, color, or smell of drinking water. They will never corrode and are therefore extremely sanitary. Deposits and scales will not build up inside as in the case for conventional steel pipes. CPVC products are used for high temperature applications.
- Irrigation Systems:** **CHANAL** pipes are ideal for agricultural irrigation and sprinkler systems. Non-corrosive CHANAL pipes are perfect for carrying water which contains chemical fertilizers and insects inhibitors. In thick wall and large diameter products liquids can be transported under high pressure, which is convenient for the management of large farms.
- Industry:** Resistant to most chemicals, **CHANAL** PVC/CPVC pipes have an important role to play in industrial plants. Light, non-corrosive, and easy to assemble, they allow more complex piping work than with steel or cast-iron pipes.

- Soils, Waste & Drainage Sewer Systems:** Waste lines for corrosive gases, ventilation for office buildings and factories, drainage systems for private homes and elevated highways.

- Manufacturing Standards:**
1. Saudi Arabian Standard(SASO)
 2. German Standard(DIN)
 3. American Society For Testing Material(ASTM)

- Range of Production:**
- PVC/CPVC Pipes are made according to Sch.80 of ASTM standard ranging from 1/2" to 2".
PVC/CPVC fittings are made according Sch. 80 of ASTM standard ranging from 1/2" to 4".
PVC fittings are made according to Sch.40 of ASTM standard ranging from 1/2" to 6".
PVC fittings are made according to DIN/SASO standards in the range of 110mm and 160 mm.

إمدادات المياه :

إن منتجات شانل (CPVC/PVC) لا تدخل في تركيباتها مواد سامة ولا تؤثر في طعم ولون أو رائحة ماء الشرب ولا تتأكسد ولا يحدث تراكم للترسبات وتستخدم في درجات الحرارة المرتفعة على عكس الأنابيب الصلب

نظم الري :

إن أنابيب شانل مثالية لأغراض الري الزراعي ونظم الري بالرش و أنابيب شانل مثالية لنقل المياه التي تحتوي على الأسمدة الكيماوية والمبيدات , وكبر قطر الأنابيب يدفع السوائل بضغط عالي ملائم لإدارة المزارع الكبيرة .

الصناعة :

مقاومة أنابيب شانل (CPVC) لمعظم المواد الكيميائية جعلها تلعب دورا هاما في المنشآت الصناعية . ونظرا لأنها غير قابلة للتآكل وخفيفة وسهلة التجميع فهي تسمح بتركيب الأنابيب المعقدة بخلاف الأنابيب الصلب وأنابيب حديد الزهر .

التربة والنفايات ونظم شبكات الصرف الصحي :

تستخدم لخطوط نفايات الغازات والتهوية للمكاتب والمصانع وأنظمة الصرف الصحي للمنازل الخاصة والطرق السريعة .

معايير التصنيع :

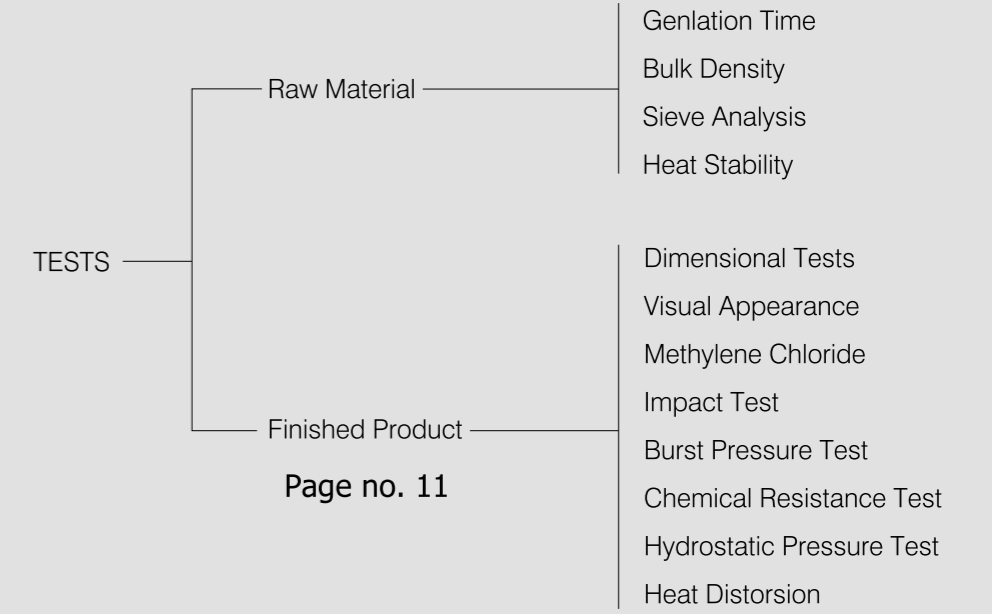
1. المواصفات في المملكة العربية السعودية (SASO)
2. المواصفات الألمانية (DIN)
3. الجمعية الأمريكية لإختبار المواد (ASTM)

الإنتاج :

أنابيب (CPVC/PVC) ضغط 80	مطابقة للمواصفات الأمريكية	من 2/1 إلى 2 بوصة.
وصلات (CPVC/PVC) ضغط 80	مطابقة للمواصفات الأمريكية	من 2/1 إلى 4 بوصة
وصلات (PVC) ض 40	مطابقة للمواصفات الأمريكية	من 2/1 إلى 6 بوصة
وصلات (PVC)	مطابقة للمواصفات السعودية الألمانية	من 110 مم إلى 160 مم.



نحن شركة العبيد للصناعات البلاستيكية ندرك مدى أهمية الجودة النوعية باعتبارها من أهم وسائل النجاح ، و لهذا فقد أنشأنا نظاماً متكاملاً للجودة النوعية ممثلاً في تجهيز مختبر الجودة و من أجل ضمان مطابقة منتجاتنا للمواصفات العالمية نحن دائماً في حالة تطوير مستمرة.

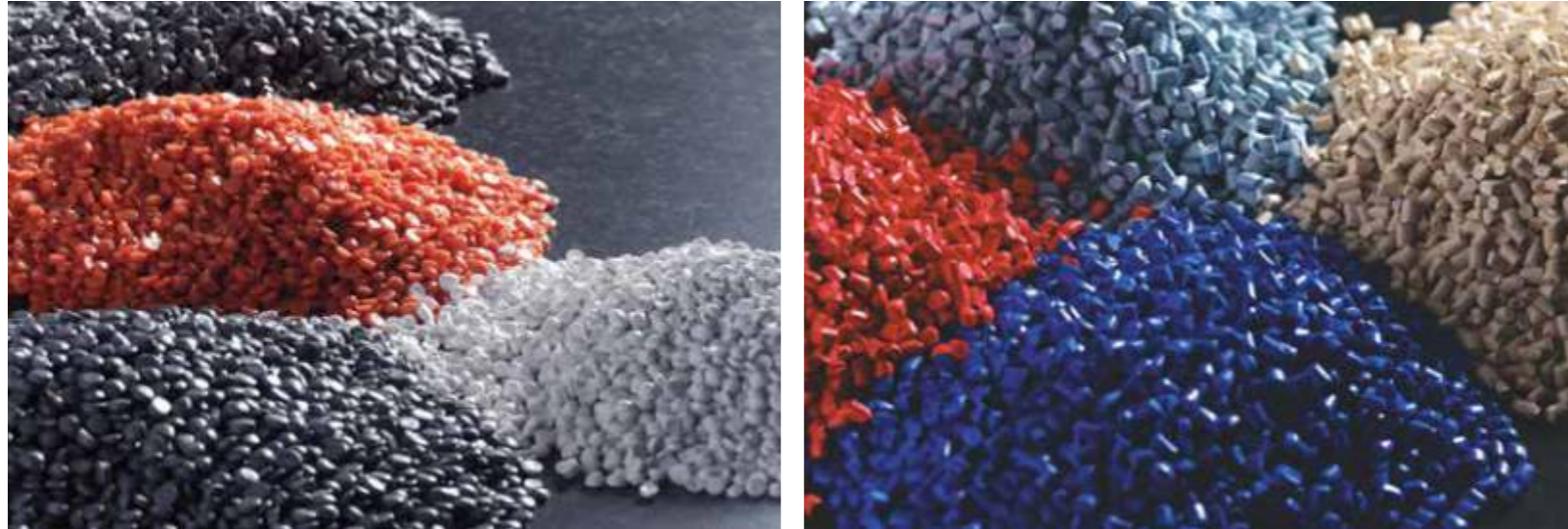


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We at Al Obaid Plastic Manufacturers procure the necessary raw materials to produce our products from reputed manufacturers / suppliers in the world.

نحن " مصنع العبيد للصناعات البلاستيكية " نحصل على المواد الخام الضرورية لصناعة منتجاتنا من المصنعين والموردين الأكثر شهرة في العالم في هذا المجال



Standards:
Raw Material
PVC & CPVC Compounds: ASTM D 1784
PVC Fittings SCH 40: ASTM D 2466
PVC Fittings SCH 80: ASTM D 2467
CPVC FittingsSCH 80: ASTM F 439
Pipe CPVC SCH 80: ASTM F 441
Pipe PVC SCH 80: ASTM D 1785

المواصفات :
المواد الخام
مطابقة للمواصفات ASTM D 1784 :
مطابقة للمواصفات ASTM D 2466 : وصلات البلاستيك ضغط 40
مطابقة للمواصفات ASTM D 2467 : وصلات البلاستيك ضغط 80
مطابقة للمواصفات ASTM F 439 : وصلات البلاستيك ضغط 80
مطابقة للمواصفات ASTM F 441 : أنابيب (CPVC) ضغط 80
مطابقة للمواصفات ASTM D 1785 : أنابيب (PVC) ضغط 80

MATERIAL	UNIT	PVC	CPVC
Specific Gravity	g/cm ³	1.42	1.55
Water absorption	mg/cm ²	<4.0	<4.0
Flammability		*	*
Softening point	C	>76	>93
Specific Heat	Cal/g °C	0.25	0.29
Thermal Conductivity	Kcal/mh °C	0.13	0.14
Coefficient of Liner Expansion	in/in/°F	2.9x10 ⁻⁵	3.4x10 ⁻⁵
Tensile Strength	psi	7000	8000
Compressive Strength	Psi	9600	10000
Flexural Strength	Kgf/cm ²	950	1020
Izod Impact	Ft.lbs/in of natch	0.65	1.5
Volume of Resistivity	Ohm/cm	10 ¹⁴	10 ¹⁵
Power Factor at 60 cycle	%	1.255	0.007% @1000 Hz
Max. Service Temp	F	140	210

Other bathroom and fittings are designed and developed to suit customers needs.

ملحقات ووصلات الحمام الأخرى يتم تصميمها و تطويرها لتناسب احتياجات العملاء

PRODUCT SPECIFICATIONS

CHANAL PVC Pipe Fittings according to ASTM D-2466, Schedule 40 Applications: Water distribution & Irrigation Systems.

وصلات شانل (PVC) ضغط 40 مطابقة للمواصفات ASTM D-2466 الاستخدام : توزيع المياه و أنظمة الري

NOMINAL SIZE	INNER Ø (mm)		WALL THICKNESS (mm)	SOCKET LENGTH (mm)	PRESSURE RATING (psi) @ 23°C
	Entrance	Bottom			
1/2	21.54±0.1	21.23±0.1	≥ 2.77	≥ 17.48	600
3/4	26.87±0.1	26.57±0.1	≥ 2.87	≥ 18.26	480
1	33.66 ±0.13	33.27±0.13	≥ 3.38	≥ 22.23	450
1 1/4"	42.42±0.13	42.04±0.13	≥ 3.56	≥ 23.83	370
1 1/2"	48.56±0.15	48.11±0.15	≥ 3.68	≥ 27.79	330
2	60.63±0.15	60.17±0.15	≥ 3.91	≥ 29.36	280
3	89.31±0.20	88.70±0.20	≥ 5.49	≥ 47.63	260
4	114.76±0.23	114.07±0.23	≥ 6.02	≥ 50.80	220
6	168.84±0.28	168.00±0.28	≥ 7.00	≥ 76.20	180

CHANAL PVC Pipe Fittings according to ASTM D-2467, Schedule 80 Applications: Water distribution & Irrigation Systems.

CHANAL CPVC Pipe Fittings according to ASTM F 439, Schedule 80 Applications: Water distribution & Irrigation Systems.

وصلات شانل (PVC) ضغط 80 مطابقة للمواصفات ASTM D-2467 الاستخدام : توزيع المياه و أنظمة الري
وصلات شانل (CPVC) ضغط 80 مطابقة للمواصفات ASTM F-439 الاستخدام : توزيع المياه و أنظمة الري

NOMINAL SIZE	INNER Ø (mm)		WALL THICKNESS (mm)	SOCKET LENGTH (mm)	PRESSURE RATING (psi) @ 23°C
	Entrance	Bottom			
1/2	21.54±0.1	21.23±0.1	≥ 3.73	≥ 22.22	850
3/4	26.87±0.1	26.57±0.1	≥ 3.91	≥ 25.40	690
1	33.66 ±0.13	33.27±0.13	≥ 4.55	≥ 28.58	630
1 1/4"	42.42±0.13	42.04±0.13	≥ 4.85	≥ 31.75	520
1 1/2"	48.56±0.15	48.11±0.15	≥ 5.08	≥ 34.93	470
2	60.63±0.15	60.17±0.15	≥ 5.54	≥ 38.10	400

CHANAL PVC Pipes according to ASTM D-1785, Schedule 80 Applications: Water distribution & Irrigation Systems.

أنابيب شانل (PVC) ضغط 80 مطابقة للمواصفات ASTM D-1785 الاستخدام : توزيع المياه و أنظمة الري

NOMINAL SIZE	OUTER Ø (mm)		WALL THICKNESS (mm)		NOMINAL WEIGHT (Kg/m)	PRESSURE RATING (psi) @ 23°C
	min	max	min	max		
1/2	21.2	21.4	3.73	4.24	0.315	850
3/4	26.6	26.9	3.90	4.40	0.425	690
1	33.27	33.57	4.55	5.10	0.610	630
1 1/4"	42.07	42.33	4.85	5.43	0.855	520
1 1/2"	48.15	48.45	5.08	5.67	1.025	470
2	60.15	60.45	5.54	6.20	1.400	400

Length: 5.8 meters.

Color: Dark grey

Socket Type: Plain, solvent cement (sc/j).

Non standard lengths & colors are available upon request.

CHANAL CPVC Pipes according to ASTM F-441, Schedule 80 Applications: Water distribution & Irrigation Systems.

المميزات : أن أنابيب شانل (CPVC) ضغط 80 مطابقة للمواصفات ASTM F-441 الاستخدام : توزيع المياه و أنظمة الري

NOMINAL SIZE	OUTER Ø (mm)		WALL THICKNESS (mm)		NOMINAL WEIGHT (Kg/m)	PRESSURE RATING (psi) @ 23°C
	min	max	min	max		
1/2	21.2	21.4	3.73	4.24	0.320	850
3/4	26.6	26.9	3.90	4.40	0.450	690
1	33.27	33.57	4.55	5.10	0.620	630
1 1/4"	42.07	42.33	4.85	5.43	0.865	520
1 1/2"	48.15	48.45	5.08	5.67	1.045	470
2	60.15	60.45	5.54	6.20	1.470	400

Length: 5.8 meters.

Color: Pale grey

Socket Type: Plain, solvent cement (sc/j).

Non standard lengths & colors are available upon request.

PACKAGING

We use best quality packaging materials to pack our products. The packing is highly durable, elegant and suitable for its purpose.

نحن نستخدم أفضل مواد التعبئة والتغليف لتغليف منتجاتنا كما أن التعبئة والتغليف بقوة تحمل عالية وشكل خارجي مناسب لهذا المنتج.





Elbow 90°



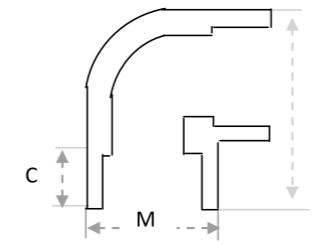
Elbow 45°



Reducing Elbow

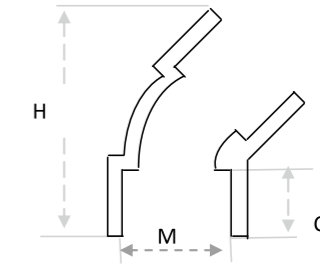


Elbow Inside Thread



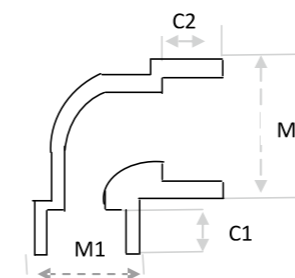
SIZES	M	C	H	ITEM CODE
1/2"	27.85	19.50	46.24	C001401
3/4"	33.40	25.45	56.15	C001402
1"	40.72	28.68	65.95	C001403
1 1/4"	49.95	32.02	78.98	C001404
1 1/2"	56.35	28.00	81.30	C001405
2"	68.80	30.00	95.42	C001406
3"	98.40	52.20	153.65	C001408
4"	124.25	51.10	170.20	C001409
110mm	119.65	50.00	160.95	C001410
160mm	176.00	76.60	247.10	C001412

Elbow 90°



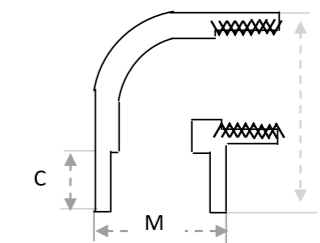
SIZES	M	C	H	ITEM CODE
1.1/2"	56.20	28.20	96.00	C001435
2"	68.50	25.30	101.70	C001436
3"	98.15	40.50	152.60	C001438
4"	123.95	51.00	192.00	C001439
110mm	119.50	50	185.40	C001440
160mm	176.00	70.50	290.25	C001441

Elbow 45°



SIZES	M1	M2	C1	C2	ITEM CODE
1"x1" 1/2	29.80	43.20	22.60	28.50	---
1" x 3/4"	36.40	43.15	25.70	28.80	---
1 1/2"x1 1/4"	50.00	56.20	24.20	27.00	C001495
2"x1 1/2"	56.41	68.30	27.40	29.60	C001496

Reducing Elbow



SIZES	M	C	H	ITEM CODE
1 1/4"	50.80	32.40	80.00	C001449
1 1/2"	56.11	28.10	84.28	C001450
2"	70.00	36.60	95.50	C001451

Elbow inside Thread



Elbow 90° with Door



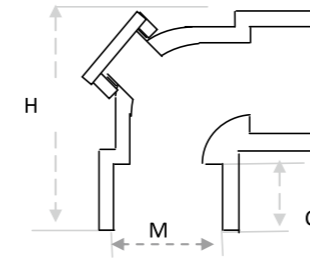
Tee



Tee Y

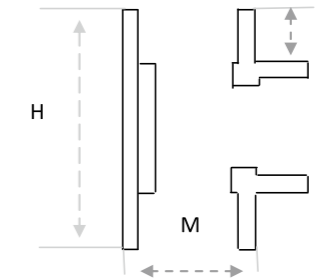


Tee with Door



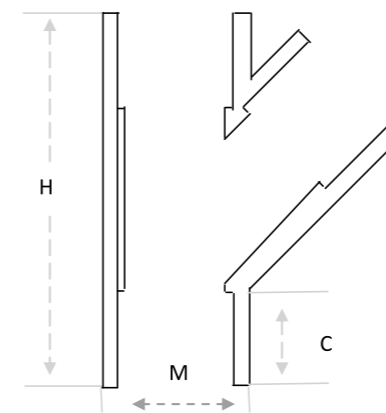
SIZES	M	C	H	ITEM CODE
110mm	110.00	49.40	176.10	C002401
4"	114.65	51.20	180.20	C002402

Elbow 90° with Door



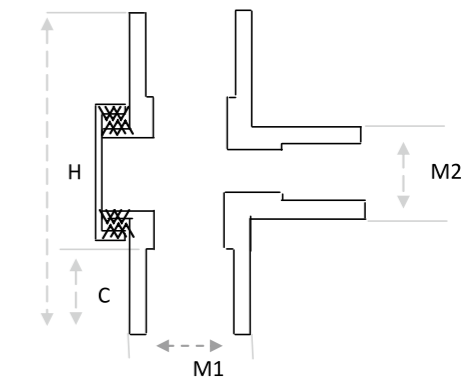
Tee

SIZES	M	C	H	ITEM CODE
1/2"	27.75	19.50	63.20	C002401
3/4"	33.80	25.40	79.00	C002402
1"	41.10	28.42	91.52	C002403
1 1/4"	50.12	31.50	107.35	C002404
1 1/2"	56.30	29.00	106.50	C002405
2"	68.60	30.10	123.05	C002406
3"	98.20	47.90	188.00	C002408
4"	123.55	51.50	219.22	C002409
100mm	119.70	50.00	214.20	C002410
160mm	176.00	89.30	348.50	C002411



SIZES	M	C	H	ITEM CODE
1 1/2"	56.00	28.45	135.30	C002450
2"	68.65	30.40	157.00	C002451
3"	98.05	48.30	232.00	C002453
4"	119.80	50.00	266.25	C002454
110 mm	123.73	51.40	270.00	C002455

Tee Y



SIZES	M1	M2	C	H	ITEM CODE
110mm	120.23	120.30	48.80	213.00	C002440
4"	128.00	124.00	47.50	215.00	C002439
4"x2"	124.30	68.38	51.25	219.00	-----
4"x3"	123.60	98.70	48.20	219.00	-----

Tee with Door



P Trap



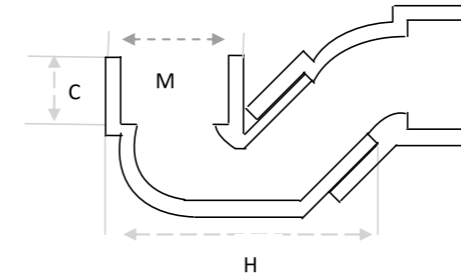
Socket



Socket with Female Thread

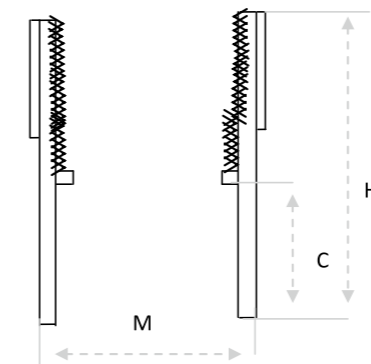


End Cap Socket



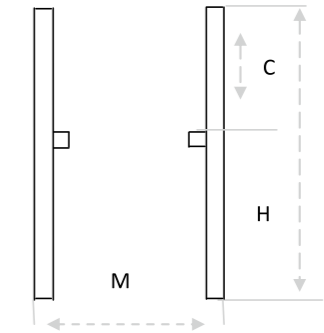
SIZES	M	C	H	ITEM CODE
2"	68.25	25.17	147.40	C001466
3"	98.20	42.81	217.00	C001468
4"	124.10	50.74	262.00	C001469
110mm	119.40	50.40	256.00	C001470

P Trap



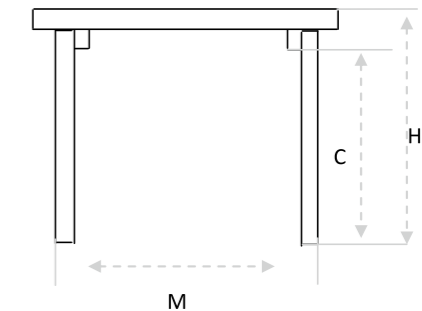
SIZES	M	C	H	ITEM CODE
3/4"	32.45	21.00	42.20	C006432

Socket with Female Thread



SIZES	M	C	H	ITEM CODE
1/2"	28.00	19.85	42.10	C006401
3/4"	33.50	25.10	53.20	C006402
1"	41.01	28.80	60.20	C006403
1.1/4"	50.27	29.70	62.00	C006404
1.1/2"	56.00	32.90	71.50	C006405
2"	69.00	36.10	74.60	C006406
3"	98.60	39.20	83.30	C006408
4"	128.00	51.00	106.50	C006409
110mm	120.00	49.70	104.00	C006410
160mm	178.00	68.30	160.00	C006411

Socket



SIZES	M	C	H	ITEM CODE
160 mm	168.25	60.37	91.60	C004119

End Cap Socket



Socket Reducer



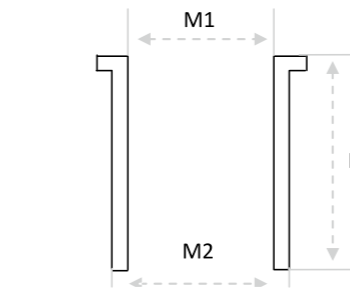
Reducer



Air Vent Cowl

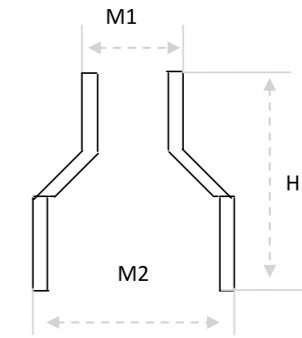


Socket with Male Thread



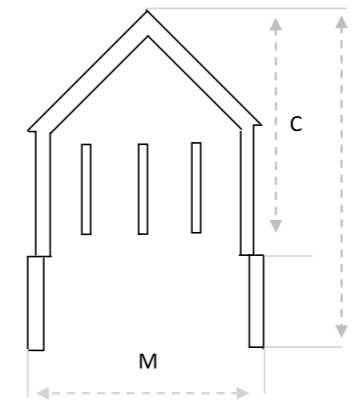
SIZES	M1	M2	H	ITEM CODE
110 mm	110.00	114.00	64.60	C006474

Socket Reducer



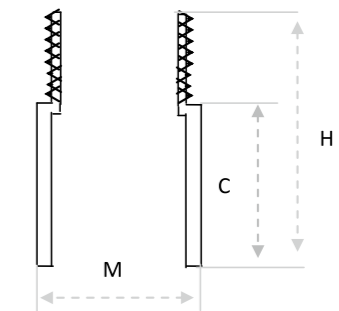
SIZES	M1	M2	H	ITEM CODE
4"X2"	128.00	57.00	110.00	-----
4"X 110mm				C006474

Reducer



SIZES	M	C	H	ITEM CODE
4"	122.40	55.17	183	C046401
110mm				C046402

Air Vent Cowl

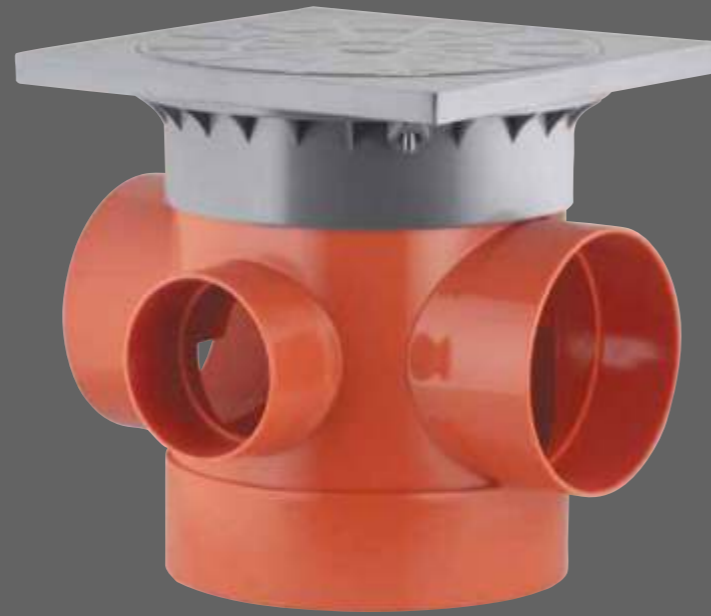


SIZES	M	C	H	ITEM CODE
1/2"	27.60	20.00	42.60	C006416
3/4"	33.40	26.00	49.00	C006417
1"	41.00	29.00	58.20	C006418
1 1/4"	50.00	32.00	59.80	C006419
1 1/2"	56.10	41.10	67.80	C006420
2"	68.57	34.70	63.65	C006421
3"	99.00	60.50	100.40	C006423
	120.00	49	99.00	C006424

Socket with Male Thread



Gully Trap



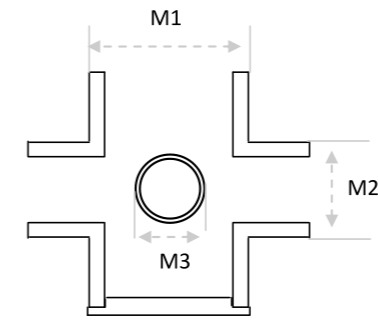
Heavy Duty Gully Trap



Heavy Duty Gully Trap Cover

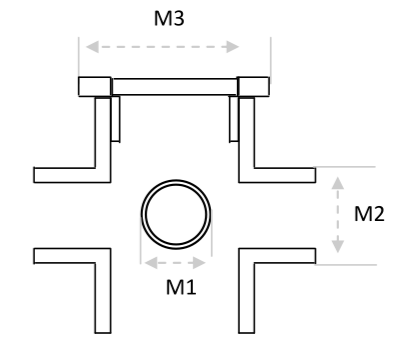


PVC Strainer



SIZES	M1	M2	M3	ITEM CODE
4"x2"x1 1/2"	123.40	56.35	67.00	C047003
4"x2"x2"	123.66	68.45	68.27	C047001
4"x3"x2"	122.88	97.70	68.75	C047002

Gully Trap



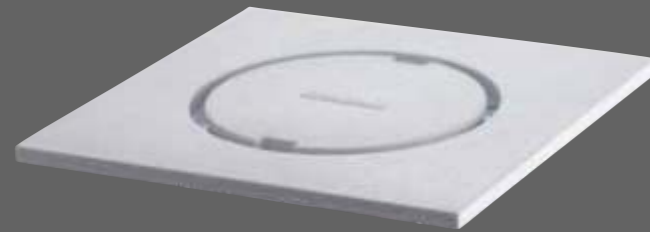
SIZES	M1	M2	M3	ITEM CODE
10"x6"x4"	118.45	168.00	321.85	C016401

Heavy Duty Gully Trap

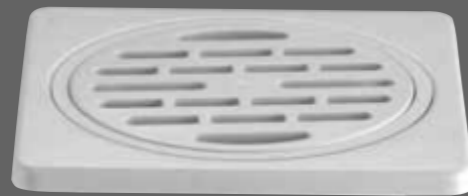


SIZES	M	C	H	ITEM CODE
	260.70	90.91	99.80	C016402

Heavy Duty Gully Trap Cover



3 Pcs Strainer



4 Pcs Strainer



SIZES mm	Length	Width		ITEM CODE
200	200	200	Available in A.B.S. & PS	C015032
150	150	150		C015031

3 Pcs Strainer



SIZES mm	Length	Width		ITEM CODE
100	100	100	Available in A.B.S. & PS Also in diffe- rent colors	C015101

4 Pcs Strainer

SCH 80

elbow - tee - socket - threaded plug - plug - extension piece
bushing - cap - union - flanges - cross over - pipes - stop cock

SCH 40

elbow - tee - socket - extension piece - bushing - cap
p trap- g trap - strainer

OTHERS

strainer - filters - w.c. seat cover - cisterns - mirrors - sink waste
flexi hot water tube - cement





Elbow 90°



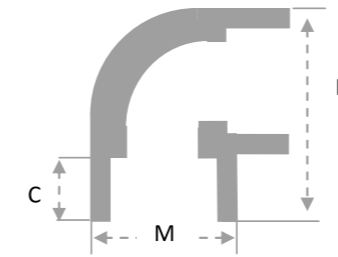
Elbow 45°



Elbow 90° with Female Thread

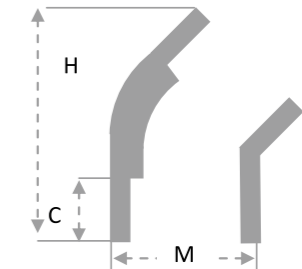


Elbow 90° Reducer



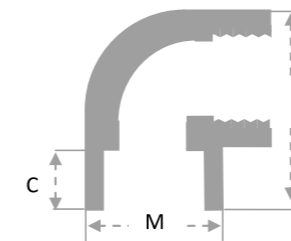
SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"	29.04	22.20	50.00	C001701	C001601
3/4"	34.90	25.60	57.28	C001702	C001602
1"	42.85	28.85	67.50	C001703	C001603
1.1/4"	52.50	31.90	80.00	C001704	C001604
1.1/2"	59.65	35.10	89.32	C001705	C001605
2"	72.30	37.35	105.52	C001706	C001606

Elbow 90°



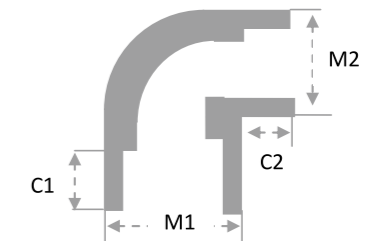
SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"	30.40	22.10	62.00	C001731	C001631
3/4"	34.45	25.15	73.30	C001732	C001632
1"	43.40	29.40	84.07	C001733	C001633
1 1/4"	52.35	31.85	100.00	C001734	C001634
1.1/2"	59.65	35.05	108.70	C001735	C001635
2"	72.30	38.20	125.15	C001736	C001636
4"					C001639

Elbow 45°



SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"	33.05	23.42	52.35	C001716	C001616
3/4"	38.00	25.10	60.10	C001717	C001617
1"	45.35	29.41	69.63	C001718	C001618

Elbow 90° with Female Thread



SIZES	M1	M2	C1	C2	CPVC	PVC
					ITEM CODE	ITEM CODE
3/4"x1/2"	35.10	29.85	38.57	25.94	C001761	C001661
1"x1/2"	43.20	29.84	28.93	22.49	C001762	C001662
1"x3/4"	43.20	35.35	28.88	25.70	C001763	C001663

Elbow 90° Reducer



Tee



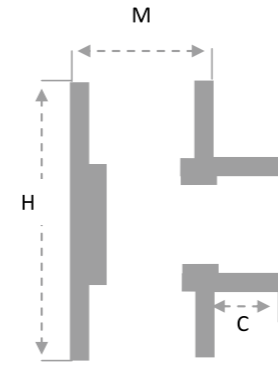
Tee Reducer



Union

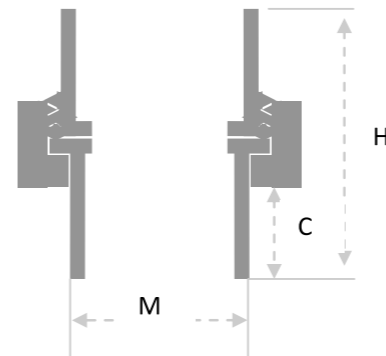


Cross Over



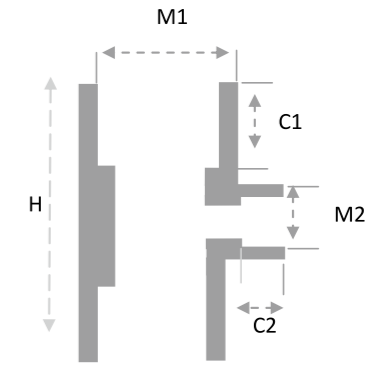
SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"	30.00	22.50	68.12	C002701	C002701
3/4"	35.20	25.40	80.00	C002702	C002702
1"	44.00	28.70	92.90	C002703	C002703
1.14"	52.60	32.20	107.85	C002704	C002704
1.1/2"	59.50	34.80	120.00	C002705	C002705
2"	72.25	39.35	140.25	C002706	C002706

Tee



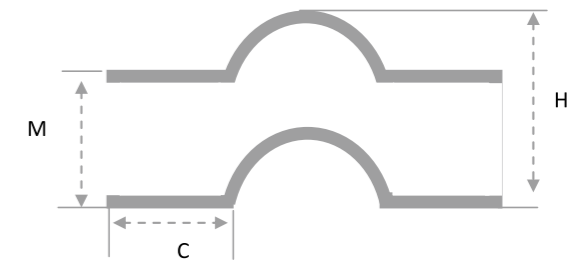
SIZES	M	C	H	PVC
				ITEM CODE
1/2"	30.82	22.25	54.2	C005601
3/4"	38.75	28.80	60.40	C005602
1"	46.50	29.09	64.00	C005603
1 1/4"	58.08	26.59	80.56	C005604
1 1/2"	65.21	29.15	89.33	C005605
2"	77.75	31.18	98.95	C005606

Union



SIZES	M1	M2	C1	C2	H	PVC
						ITEM CODE
3/4"x1/2"	35.20	29.60	22.45	25.51	77.24	C002661
1"x1/2"	42.82	29.60	22.72	28.35	83.95	C002662
1"x3/4"	42.82	35.20	25.88	28.63	88.85	C002663

Tee Reducer



SIZES	M	C	H	PVC
				ITEM CODE
1/2"	28.70	22.60	42.33	C001646
3/4"	35.20	25.00	52.35	C001647
1"	43.25	28.50	63.70	C001648

Cross Over



Socket



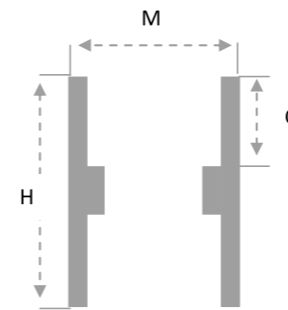
Socket with Female Thread



Socket with Male Thread

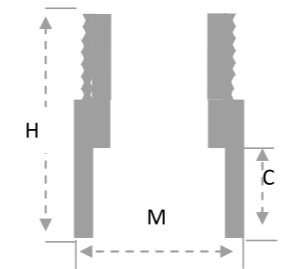


Socket Reducer



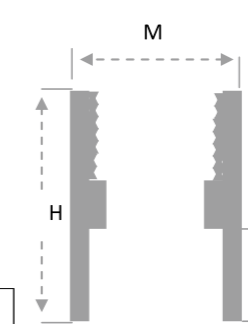
Socket

SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"	28.93	22.60	45.90	C006701	C006601
3/4"	35.15	26.00	53.63	C006702	C006602
1"	43.90	29.10	60.05	C006703	C006603
1.1/4"	49.50	35.00	74.00	C006704	C006604
1.1/2"	48.70	35.20	74.70	C006705	C006605
2"	72.00	39.00	83.80	C006706	C006606



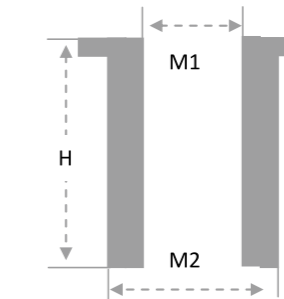
SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"	29.40	23.40	46.50	C006716	C006616
3/4"	35.40	26.10	51.30	C006717	C006617
1"	43.30	29.60	59.55	C006718	C006618
1.14"	52.00	32.00	66.00	C006719	C006619
1.1/2"	60.00	35.30	71.00	C006720	C006620
2"	72.50	39.00	74.40	C006721	C006621

Socket with Male Thread



Socket with Female Thread

SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"	29.90	22.30	43.75	C006731	C006631
3/4"	35.80	25.70	48.40	C006732	C006632
1"	43.65	28.00	54.90	C006733	C006633



Socket Reducer

SIZES	M1	M2	H	CPVC	PVC
				ITEM CODE	ITEM CODE
3/4"X1/2"	21.37	26.75	27.93	C007701	C007601
1"X1/2"	21.37	33.25	33.18	C007702	C007602
1"X3/4"	26.75	33.25	32.55	C007703	C007603
1.1/4"X1/2"	21.37	42.20	40.20	C007704	C007604
1.1/4"X3/4"	26.75	42.20	40.17	C007705	C007605
1.1/4"X1"	33.25	42.20	40.17	C007706	C007606
1.1/2"X1/2"	21.37	48.20	42.94	C007707	C007607
1.1/2"X3/4"	26.75	48.20	42.72	C007708	C007608
1.1/2"X1"	33.25	48.20	42.94	C007709	C007609
1.1/2"X1.1/4"	42.20	48.20	43.31	C007710	C007610
2"X1/2"	21.30	60.28	48.85	C007711	C007611
2"X3/4"	26.75	60.28	48.85	C007712	C007612
2X1"	33.25	60.28	48.85	C007713	C007613
2"X1.1/4"	42.20	60.28	48.85	C007714	C007614
2"X1.1/2"	48.20	60.28	48.85	C007715	C007615
3"X1"				-----	C007618
3"X2"				-----	C007621
4"X2"				-----	C007628



Threaded Plug



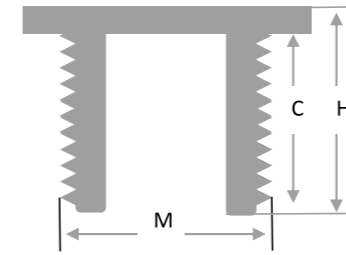
Plug



Plug Long

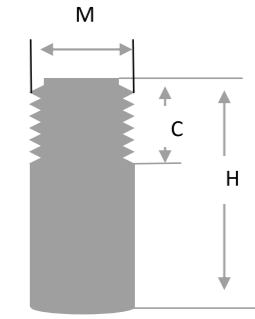


Cap



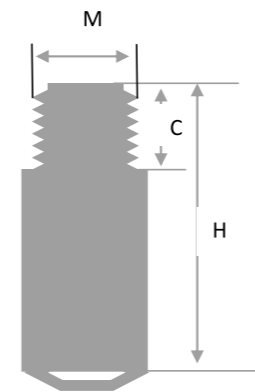
SIZES	M	C	H	ITEM CODE
1.1/4"	41.00	21.65	37.50	-----

Threaded Plug



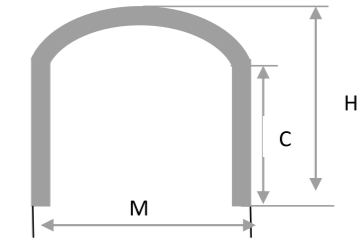
SIZES	M	C	H	ITEM CODE
1/2"	20.00	10.15	40.15	-----

Plug



SIZES	M	C	H	ITEM CODE
1/2"	20.50	10.55	55.17	-----

Plug Long



SIZES	M	C	H	ITEM CODE
1/2"	30.00	22.50	28.60	C004611
3/4"	35.50	25.50	32.50	C004612
1"	43.45	28.50	35.10	C004613
1.1/4"	52.85	31.00	40.00	C004614
1.1/2"	59.30	34.20	44.50	C004615
2"	105.10	47.30	62.00	C004616
4"	132.40	56.50	78.00	C004619

Cap



Elbow with Female Brass Insert



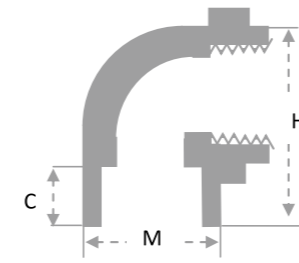
Tee with Female Brass Insert



Socket with Female Brass Insert

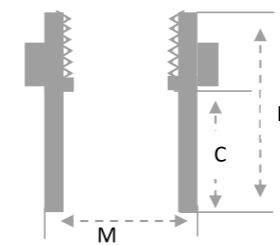


Socket with Male Brass Insert



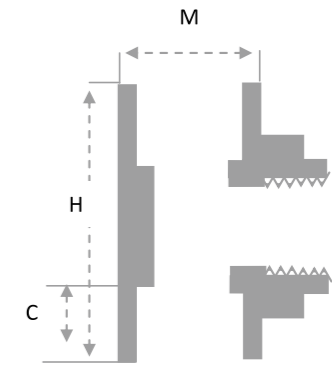
SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"X1/2"	29.80	23.40	56.82	C001791	C001691
3/4"X1/2"	34.75	25.50	58.72	C001792	C001692
3/4"X3/4"	35.80	27.00	70.00	C001793	C001693
1"X1/2"	43.50	28.65	61.31	C001791	C001691
1"X3/4"	43.50	28.52	68.00	C001791	C001691
1"X1"	43.25	28.25	75.40	C001794	C001694
1.1/2"X1.1/2"	59.20	35.00	99.00	C001791	C001691
2"X2"	72.00	38.00	115.00	C001791	C001691

Elbow with Female Brass Insert



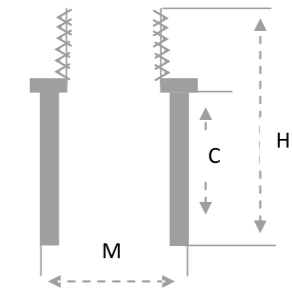
SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"X1/2"	29.80	23.00	38.60	C002791	C002691
3/4"X1/2"	35.20	26.00	44.90	C006793	C006693
3/4"X3/4"	35.86	28.00	44.90	C006794	C006694
1"X1/2"	43.60	30.00	44.06	C006797	C006697
1"X3/4"	43.60	30.07	46.00	C006798	C006698
1"X1"	43.60	30.07	49.50	C006799	C006699
1 1/4"x1 1/4"	52.05	31.78	58.78	C006792	C006692
1 1/2"x1 1/2"	58.58	35.06	65.30	C006795	C006695
2"x2"	71.95	38.35	71.75	C006796	C006696

Socket with Female Brass Insert



SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"X1/2"	29.80	23.00	76.25	C002791	C002691
3/4"X1/2"	35.00	25.40	78.30	C002792	C002692
3/4"X3/4"	35.80	26.00	84.66	C002793	C002693
1"X1/2"	44.00	28.65	85.54	C002794	C002694
1"X3/4"	44.00	28.70	90.84	C002796	C002696
1"X1"	44.00	28.75	97.40	C002795	C002695

Tee with Female Brass Insert



SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
3/4"x1/2"	35.00	25.60	50.00	C006781	C006681
1/2"	29.30	21.10	45.50	C006782	C006682
3/4"	35.00	25.90	50.25	C006783	C006683
1"	42.94	27.70	54.90	C006784	C006684
1.14"	52.35	31.90	64.00	C006785	C006685
1.1/2"	58.90	35.35	70.00	C006786	C006686
2"	71.85	38.10	74.30	C006771	C006671
3"	105.00	48.50	95.00	C006788	C006688

Socket with Male Brass Insert



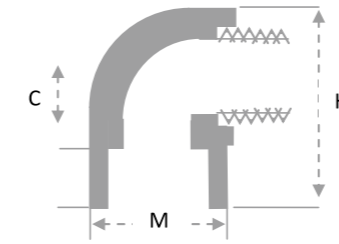
Elbow with Male Brass Insert



Union Female Adaptor with Brass Insert

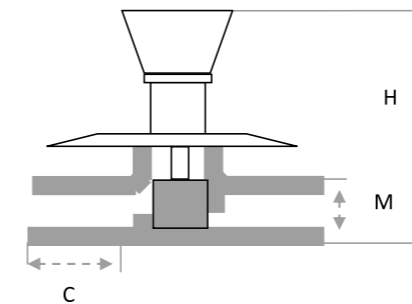


Stop Cock



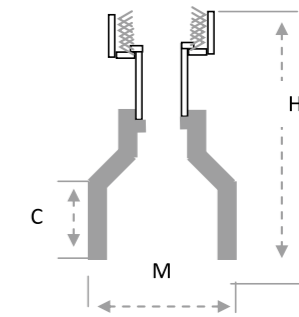
SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"x1/2"	29.80	24.50	55.00	C001781	C001681
3/4"x1/2"	35.10	26.65	55.74	C001782	C001682
3/4"x3/4"	35.80	26.60	57.00	C001783	C001683
1"x1"	43.30	28.50	69.80	C001786	C001686

Elbow with Male Brass Insert



SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"x1/2"	29.5	22.20	130.65	C053701	-----
3/4"x1/2"	35.10	25.30	135.95	C053702	-----
1"x3/4"	43.15	28.33	143.20	C053703	-----

Stop Cock

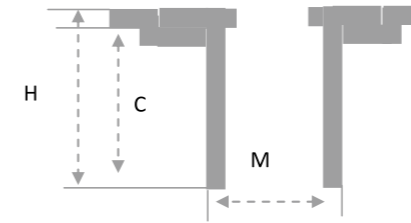


SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"x1/2"	29.75	22.73	72.40	C005751	-----
3/4"x1/2"	35.00	25.65	75.42	C005752	-----
3/4"x3/4"	35.42	25.63	78.05	C005753	-----
1"x1/2"	43.05	28.85	79.00	C005754	-----
1"x3/4"	43.23	29.00	81.83	C005755	-----
1"x1"	43.00	29.00	82.52	C005756	-----
1 1/4"x1 1/4"	52.33	32.25	93.28	C005757	-----
1 1/2"x 1 1/2"	59.20	35.39	99.25	C005758	-----
2"x2"	72.00	38.30	111.15	C005759	-----

Union Female Adaptor with Brass Insert

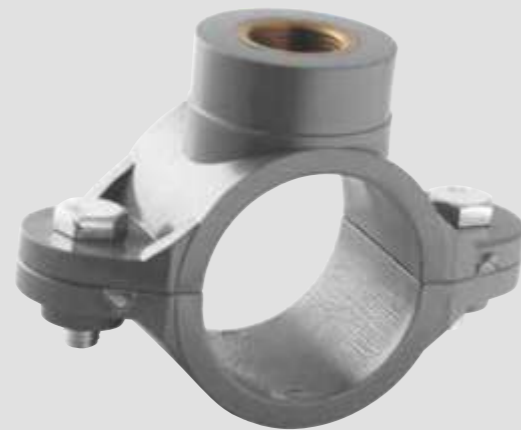


Flange

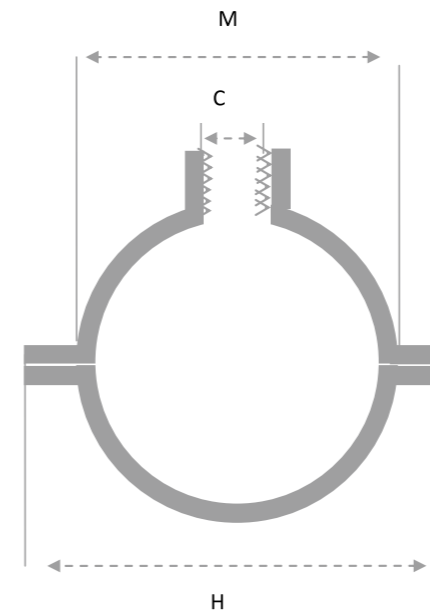


Flange

SIZES	M	C	H	ITEM CODE
3"	103.65	48.85	51.09	-----
4"	131.80	55.54	61.77	-----
6"	181.16	84.00	62.50	-----

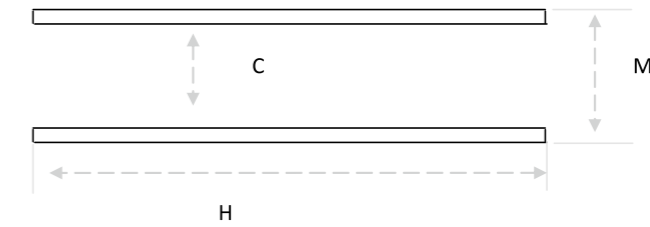


Saddle



Saddle

SIZES	M	C	H	ITEM CODE
2"x1/2"	75	21	138	-----
2"x3/4"	75	26	138	-----
2"x1"	75	33	138	-----
3"x1/2"	104	21	166	-----
3"x3/4"	104	26	166	-----
3"x1"	104	33	166	-----
4"x3/4"	131	26	191	-----
4"x1"	131	33	191	-----



SIZES	M	C	H	CPVC	PVC
				ITEM CODE	ITEM CODE
1/2"	21.35	13.55	5800	C032201	C032101
3/4"	26.75	18.43	5800	C032202	C032102
1"	33.55	23.85	5800	C032203	C032103
1 1/4"	42.25	31.95	5800	C032204	C032104
1 1/2"	48.25	37.45	5800	C032205	C032105
2"	60.35	48.65	5800	C032206	C032106

Pipes PVC & CPVC

FILTERS



Filter Body: _____ SAN
LID: _____ ABS
Filtration: _____ 10"X5 microns
Max Working Temp: _____ <75°C



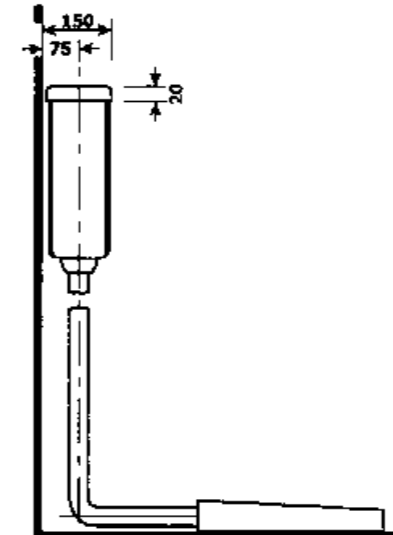
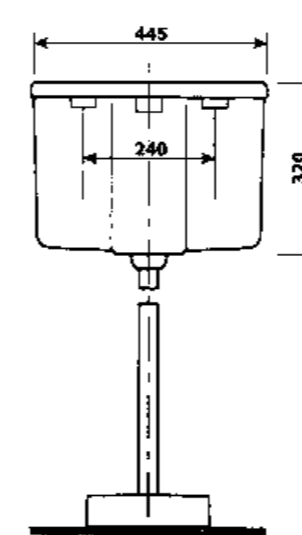
W.C. SEAT



Width: _____ 335 mm
Length: _410 mm
Thickness: ____15 mm



CISTERN



High: _____ 322 mm
Length: _____ 450 mm
Thickness: _____ 22 mm
Capacity: _____ 6 Ltr.

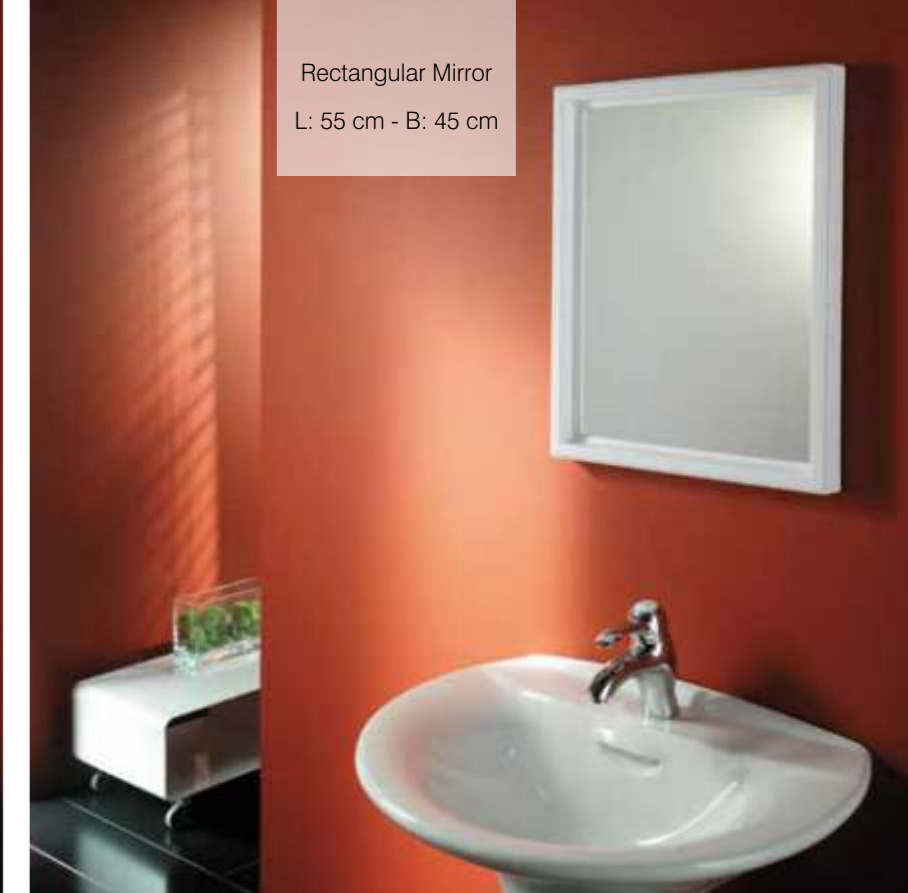
MIRRORS



Semi Circular Mirror
L: 75 cm - B: 60 cm
L: 65 cm - B: 45 cm



Rectangular Mirror
L: 55 cm - B: 45 cm



Oval Mirror
L: 55 cm - B: 45 cm



Circular Mirror
L: 45 cm - B: 45 cm
L: 55 cm - B: 55 cm





Sink Waste Set



Flexi Hot Water Tube



Cement