

PRICE LIST - [CONTROL ITEMS*]

BS EN 12200-1: 2000

(BS4576 / MS1063) *uPVC Rainwater Downpipe System* -- WHITE

[* These Control Items subject to sales together with our Complete Range

of Pipes & Fittings supplying for the whole project only]

uPVC SPECIAL RAINWATER DOWNPIPES

MEDIUM DUTY - For Exposed & Casting In The

To BS EN 12200-1 : 2000

Small Size of R.C. Column

Code	Nominal Size	WT (Min)	RM
4R066MD	110mm (4") X 5.8m	4.2mm [^]	152.00
6R066MD	160mm (6") X 5.8m	6.2mm [^]	322.00
8R066MD	200mm (8") X 5.8m	7.7mm [^]	500.00
10R066MD	250mm (10") X 5.8m	9.6mm [^]	772.00
12R066MD	315mm (12") X 5.8m	12.1mm [^]	1,280.00

Plain End

[^] These Wall Thickness are made complied to " ISO4422-2 : 1996 (E) SDR 26 PN10
PVC-U Pipes & Fittings For Water Supply with a Working Pressure of 10 Bar ".



HEAVY DUTY - For Casting In The R.C. Column /

To BS EN 12200-1 : 2000

Buried Underground

Code	Nominal Size	WT (Min)	RM
2R096HD	50mm (2") X 5.8m	3.3mm*	63.00
3R096HD	82mm (3") X 5.8m	5.0mm*	126.00
4R096HD	110mm (4") X 5.8m	5.3mm**	203.00
6R096HD	160mm (6") X 5.8m	7.7mm**	413.00
8R096HD	200mm (8") X 5.8m	9.6mm**	615.00
10R096HD	250mm (10") X 5.8m	11.9mm**	950.00
12R096HD	315mm (12") X 5.8m	15.0mm**	1,630.00

Plain End

* These Wall Thickness are made complied to " ISO4422-2 : 1996 (E) SDR 17 PN12.5
PVC-U Pipes & Fittings For Water Supply with a Working Pressure of 12.5 Bar ".

** These Wall Thickness are made complied to " ISO4422-2 : 1996 (E) SDR 21 PN12.5
PVC-U Pipes & Fittings For Water Supply with a Working Pressure of 12.5 Bar ".

WT = Wall Thickness (Minimum)

PRICE LIST - [CONTROL ITEMS*]

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BS4576-1: 1970 & 1989 uPVC Rainwater Downpipe System-- WHITE

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uPVC RAINWATER SPECIAL FITTINGS

PIPE SLEEVE

U.K. Patent No : GB2278387B

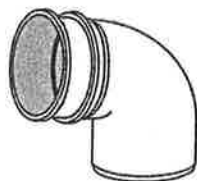


Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R131	200	8"	18	80.00
10R131	250	10"	6	229.00
12R131	315	12"	3	295.00

Joints : SW X SW

M'sia Patent No : MY109661A

91° BEND - One Spigot End



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R460	110	4"	40	18.00
6R460	160	6"	10	72.00
8R460	200	8"	7	180.00

Joints : SW X SE

91° ACCESS BEND - c/w Ø200mm Twist Lock Opening Door



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R487*	200	8"	6	200.00
10R487^	250	10"	3	372.00
12R487^	315	12"	2	559.00

Joints : SW X SW

* c/w Ø 106mm Twist Lock Opening Door

^ c/w Ø 197mm Twist Lock Opening Door

112° BEND - One Spigot End



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R462	110	4"	40	20.00
6R462	160	6"	10	82.00
8R462	200	8"	7	204.00

Joints : SW X SE

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uPVC RAINWATER SPECIAL FITTINGS

112° BEND



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R463	110	4"	40	16.00
6R463	160	6"	10	68.00
8R463	200	8"	7	170.00

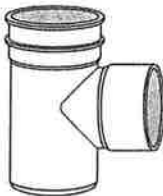
Joints : SW X SW



135° BEND - One Spigot End

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R464	200	8"	8	178.00

Joints : SW X SE



91° EQUAL TEE - One Spigot End

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R490	110 X 110 X 110	4"	25	32.00
6R490	160 X 160 x 160	6"	9	120.00
8R490	200 X 200 X 200	8"	5	233.00

Joints : SW X SW X SE



91° EQUAL ACCESS TEE - One Spigot End

- c/w Ø106mm Twist Lock Opening Door

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
6R579	160 X 160 x 160	6"		128.00
8R579	200 X 200 X 200	8"		276.00

Joints : SW X SW X SE

Abbreviations :-

SW = Solvent Cement Welded Socket Joint (Female Socket)

SE = Spigot End / Plain End (Male End)

WT = Wall Thickness (Minimum)

C.P.Q. = Paper Carton Packing Quantities

GREY COLOUR is available for some special Fittings !

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uPVC RAINWATER SPECIAL FITTINGS

91° EQUAL ACCESS TEE

- c/w Ø106mm Twist Lock Opening Door



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R580	200 X 200 X 200	8"	4	230.00
10R580^	250 X 250 X 250	10"	2	506.00
12R580^	315 X 315 X 315	12"	1	748.00

Joints : SW X SW X SW

* With Screw Cap Inspection Opening

^ Ø197mm Twist Lock Opening Door

91° UNEQUAL ACCESS TEE

- c/w Ø106mm Twist Lock Opening Door



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R586	200 X 160 x 200	8" X 6"	1	211.00
12R586^	315 X 160 X 315	12" X 6"	1	748.00
12R588^	315 X 200 X 315	12" X 8"	1	748.00

Joints : SW X SW X SW

^ Ø197mm Twist Lock Opening Door

135° EQUAL ACCESS ' Y ' TEE

- c/w Ø106mm Twist Lock Opening Door



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
6R585	160 X 160 X 160	6"	5	196.00
8R585	200 X 200 X 200	8"	3	330.00
10R585^	250 X 250 X 250	10"	1	572.00

Joints : SW X SW X SW

^ Ø197mm Twist Lock Opening Door

135° UNEQUAL ACCESS ' Y ' TEE

- c/w Ø106mm Twist Lock Opening Door



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
6R574	160 X 110 X 160	6" X 4"		148.00
8R576	200 X 160 X 200	8" X 6"		286.00

Joints : SW X SW X SW

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uPVC RAINWATER SPECIAL FITTINGS



REDUCING SOCKET / HOPPER - Spigot End

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R600	200 X 160	8" X 6"	24	183.00
10R800	250 X 200	10" X 8"	12	264.00

Joints : SE X SW



REDUCING SOCKET / HOPPER - Spigot End On Big Diamenter

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R300	110 X 82	4" X 3"	168	26.00
6R400	160 X 110	6" X 4"	44	42.00

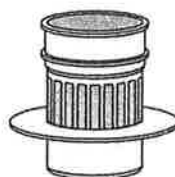
Joints : SE X SW



REDUCING SOCKET / HOPPER

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R301	110 X 82	4" X 3"	140	22.00
6R401	160 X 110	6" X 4"	45	37.00
8R601	200 X 160	8" X 6"	24	167.00
10R801	250 X 200	10" X 8"	12	218.00

Joints : SW X SW



BALCONY DRAINAGE OUTLET - Spigot End

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R431	110mm	4"	27	40.00

Joints : SW X SE

M'sia Patent Pending No : PI9503714



BALCONY DRAINAGE OUTLET - Pipe Sleeve Base

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
6R432	160mm	6"	5	90.00

Joints : SW X SW

M'sia Patent Pending No : PI9503714

Special design bottom Sleeve Body to cast inside the RC floor slab.

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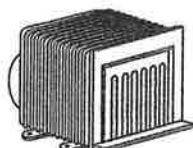
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uPVC RAINWATER SPECIAL FITTINGS

BALCONY HORIZONTAL OUTLET GRATING

- Spigot End

M'sia Patent Pending No: PI20013597



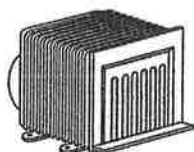
Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R432	50	2"	60	42.00
4R432CP	50	2"	60	50.00

Joints : SE

CP = Chrome Plated

Supplied complete set with Square Plug-Off & Blind Grating.

BALCONY HORIZONTAL OUTLET GRATING



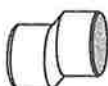
Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R433	50	2"	60	42.00
4R433CP	50	2"	60	50.00

Joints : SW

CP = Chrome Plated

Supplied complete set with Square Plug-Off & Blind Grating.

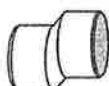
OFFSET ADAPTOR X 12MM - Both End Spigot



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
2R260	50 X 50 X 12	2" X 15/32"	400	7.00

Joints : SE X SE

OFFSET ADAPTOR X 8MM - One End Spigot



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
2R261	50 X 50 X 8	2" X 5/16"	400	7.00

Joints : SW X SE

DOMED ROOF OUTLET GRATING - Spigot End



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R414	200	8"	14	227.00
10R414F*	250	10"	12	316.00
12R414F*	315	12"	6	366.00

Joint : SE

* The centre Domed Grating diameter is Ø152mm X 136mm Height.

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(BS4576) MS1063

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VIBRATION ABSORBING JOINT - Spigot End

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
6R730	160	6"	24	348.00
8R730	200	8"	9	428.00

Joints : SE X Rubber Gasket Joint

M'sia UI Pending No : UI20040766

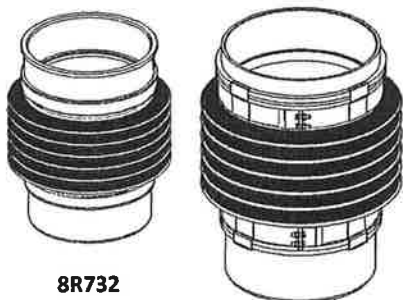


VIBRATION ABSORBING JOINT

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R731	110	4"		228.00
6R731	160	6"	15	348.00
8R731	200	8"	9	428.00

Joints : SW X Rubber Gasket Joint

M'sia UI Pending No : UI20040766



8R732

10R732
12R732

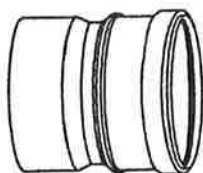
5 ~ 6 BELLOWS RUBBER VIBRATION ABSORBING JOINT [EPDM Rubber Flexible Collar]

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R732*	200 (6 Bellows)	8"		660.00
10R732*	250 (6 Bellows)	10"		876.00
12R732*	315 (5 Bellows)	12"		1,280.00

Joints : SW X SE

M'sia Patent Pending

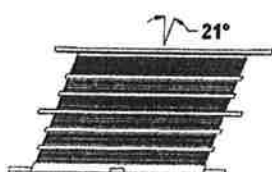
For 10R732 & 12R732 Supplied with S304 stainless steel brackets



PIPE EXPANSION COUPLING

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R738	110	4"	54	46.00
6R738	160	6"	18	84.00
8R738	200	8"	12	150.00
10R738	250	10"	8	246.00
12R738	315	12"	4	346.00

Joint : SW X SW (Rubber Ring)



21° SLANT PIPE SLEEVE

U.K. Patent No : GB2278387B

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
6R133	160 X 21°	6"		86.00

Joints : SW X SW

M'sia Patent No : MY109661A

This new designed fitting is recommended to be use for bridge deck drainage outlet.

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(BS4576) MS1063

uPVC Rainwater Downpipe System -- WHITE

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[SPECIAL DESIGNED FITTINGS]

50MM SBG SOFFIT DRAINAGE OUTLET - GREY



2R412



2R413-CM

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
2R412*	50 X 133mm (H)	2"		80.00
2R413-CM*	50 X Varies Heights	2"		^^

For 2R413-CM :-

Joints : SW

M'sia Patent Pending

a) ^^ Price to be quote base on custom make Heights to suite the Soffit Slab's Thickness

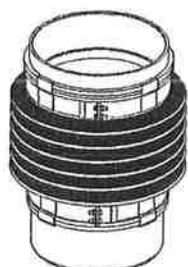
b) Supplied including an Extension Pipe & 50mm Heavy Duty Pipe (White) for casting use

5 ~ 6 BELLOWS RUBBER VIBRATION ABSORBING JOINT

[EPDM Rubber Flexible Collar]



8R732



10R732
12R732

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R732*	200 (6 Bellows)	8"		660.00
10R732*	250 (6 Bellows)	10"		876.00
12R732*	315 (5 Bellows)	12"		1,280.00

Joints : SW X SE

M'sia Patent Pending

For 10R732 & 12R732 Supplied with S304 stainless steel brackets



LEVEL INVERT REDUCING SOCKET

- Spigot End On Big Diamenter

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
8R804*	200 X 110	8" X 4"		98.00

Joints : SE X SW



QUICK COUPLING

[Double Slip Repairing Coupling]

[Triple Rings Seals Expansion Joints]

For Pipe To Fitting Connection - (One Spigot End)

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R735*	110 X 110	4" X 4"		
6R735*	160 X 160	6" X 6"		
8R735*	200 X 200	8" X 8"		380.00

Joints : SW X SE (Rubber gasket joints for both ends)

M'sia Granted Patent No : MY-145025-A

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BS EM2200-1: 2000

(BS4576) MS1063

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[SPECIAL DESIGNED FITTINGS]

QUICK COUPLING

[Double Slip Repairing Coupling]

[Triple Rings Seals Expansion Joints]

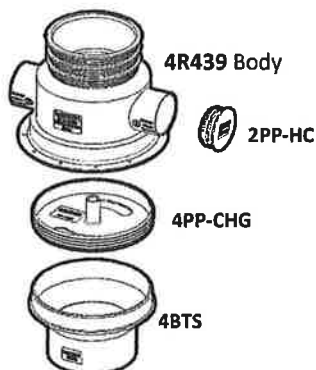
For Pipe To Pipe Connection - (Both Ends Female Joints)



Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R736*	110 X 110	4" X 4"		
6R736*	160 X 160	6" X 6"		
8R736*	200 X 200	8" X 8"		380.00

Joints : SW X SW (Rubber gasket joints for both ends)

M'sia Granted Patent No : MY-145025-A



110MM ANTI-BACK-FLOW BOSS PIPE

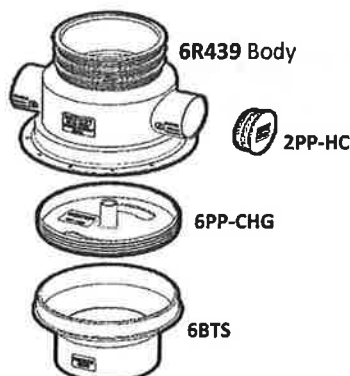
- Cast Inside RC Slab Type [Suitable for Sanitary Waste System]

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4R439*	110 X 50mm (Inlet)	4" X 2"		62.00

Joints : SW X SW

Supply In Loose Parts :

- a) Anti-Back-Flow Boss Pipe Body (**4R439**) X 1
- b) Bottom Taper Socket (**4BTS**) X 1
- c) PP Centre Hole Guide with Laser Pointer Holder - Black Colour (**4PP-CHG**) X 1
- d) 50mm PP Hole Cap (Plug-Off) - Black Colour (**2PP-HC**) X 1



160MM ANTI-BACK-FLOW BOSS PIPE

- Cast Inside RC Slab Type [Suitable for Sanitary Waste System]

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
6R439*	160 X 50mm (Inlet)	6" X 2"		78.00

Joints : SW X SW

Supply In Loose Parts :

- a) Anti-Back-Flow Boss Pipe Body (**6R439**) X 1
- b) Bottom Taper Socket (**6BTS**) X 1
- c) PP Centre Hole Guide with Laser Pointer Holder - Black Colour (**6PP-CHG**) X 1
- d) 50mm PP Hole Cap (Plug-Off) - Black Colour (**2PP-HC**) X 1

RED LASER POINTER - To be use for 4R439 & 6R439



Code	Size (mm)	Size (in)	C.P.Q.	RM
RLP-619*	Ø13mm X 65mm (H)	Ø13 X 2½"		28.00

Slot-into the Laser Pointer Holder of PP Centre Hole Guide (**4PP-CHG** or **6PP-CHG**) - Push-To-On when it slotting into the Laser Pointer Holder. Supplied with Cell Batteries (**LR44**) X 2

PRICE LIST - [CONTROL ITEMS*]

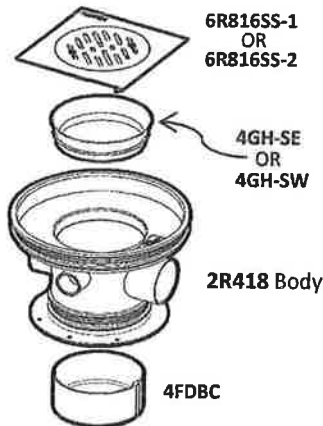
BS EM2200-1: 2000

(BS4576) MS1063

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[SPECIAL DESIGNED FITTINGS]

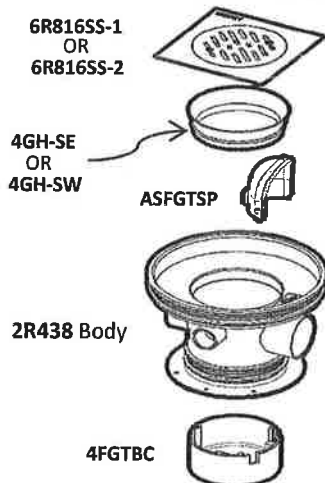
50MM FLOOR DRAIN - Cast Inside RC Slab Type

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
2R418*	110 X 50mm (Outlet)	4" X 2"		76.00

Joints : SW X SW

Supply In Loose Parts :

- 110mm X 50mm (Outlet) Floor Drain Body (2R418) X 1
- 110mm Bottom Cap (4FDBC) X 1
- 110mm Grating Holder (4GH-SE Spigot End OR 4GH-SW Socket End) X 1
- 150 X 150mm S304 Steel Square Grating (6R816SS-1 OR 6R618SS-2) X 1



50MM ANTI-SYPHON FLOOR GULLY TRAP

- Cast Inside RC Slab Type [Suitable for Sanitary Waste System]

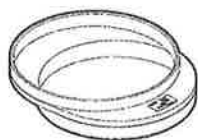
Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
2R438*	110 X 50mm (Outlet)	4" X 2"		83.00

Joints : SW X SW

Supply In Loose Parts :

M'sia Patent Pending

- 110mm X 50mm (Outlet) Anti-Syphon Floor Gully Trap Body (2R438) X 1
- 110mm Floor Gully Trap Bottom Cap (4FGTBC) X 1
- Anti-Syphon Seal Plate c/w EPDM Rubber Gasket (ASFGTSP) X 1
- 110mm Grating Holder (4GH-SE Spigot End OR 4GH-SW Socket End) X 1
- 150 X 150mm S304 Steel Square Grating (6R816SS-1 OR 6R618SS-2) X 1

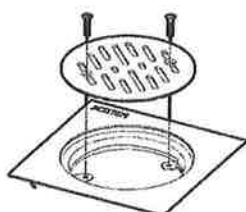


110MM X 20MM DRAIN POSITION OFFSET ADAPTOR

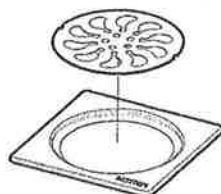
- To be use for 2R418 & 2R438

Code	Nominal Size (mm)	Size (in)	C.P.Q.	RM
4DPOA*	110 X 20mm (Offset)	4" X ¾"		7.00

Joints : SE X SW



6R816SS-1 Center Round Grating Fastening by 2 nos. M5 X 20mm Steel Screws



6R816SS-2 Center Round Grating Fastening by Twist Lock

150mm X 150mm S304 Stainless Steel Square Grating

- Supply Together with 2R418 & 2R438

Code	Center Grating Size	Size (in)
6R816SS-1	Ø114mm	4½"
6R816SS-2	Ø125mm	4 7/8"

It build-in with 2 pieces of taper hooks below the Square Body for gripping securely onto the floor cement slab for preventing it drop-off after installed.

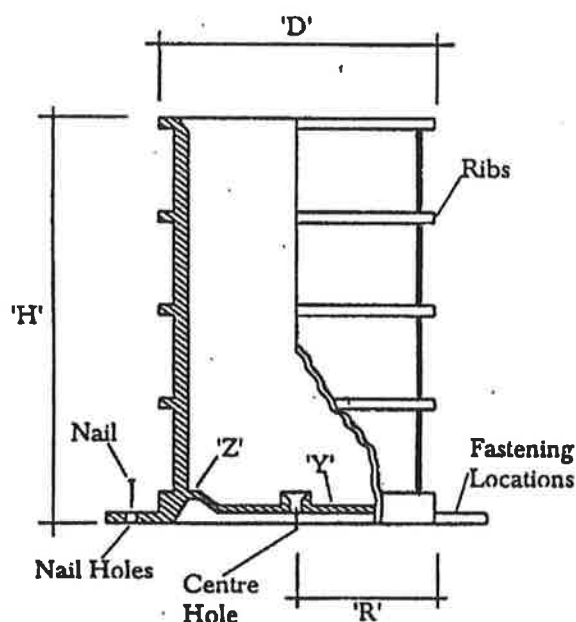
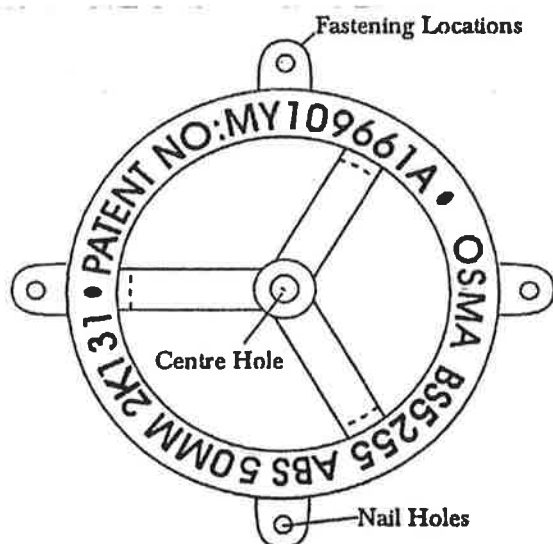
Osma

UPVC PIPE SLEEVE

GRANTED PATENT NO : GB2278387B (UK) ; MY109661A (MALAYSIA)

Features :-

- ☐ Preventing water seepage along the smooth surface of the uPVC pipes.
- ☐ Suitable to use in uPVC SWV and Rainwater Downpipe System.
- ☐ Sizes from 50mm (2") to 110mm (4").
- ☐ Made from superior grade of ABS / uPVC material and comply to MS978, MS1063, BS5255, BS4514, BS4576, BS4660, ISO3633 & ISO4422.
- ☐ White in colour.
- ☐ The ONLY Patent Rights product brand name in Malaysia :-
" BESSTEM " & " Osma "



Product Code Number	Sizes		Diameter (mm)	Height (mm)	Radius (mm)	Bag Packing Quantity	Unit Price RM
	(mm)	(inches)					
2K131	50	2	73	110	33	60	6.60
3K131	82	3	100	110	48	35	7.70
4K131	110	4	128	111	61	25	8.30

Distributor :-

