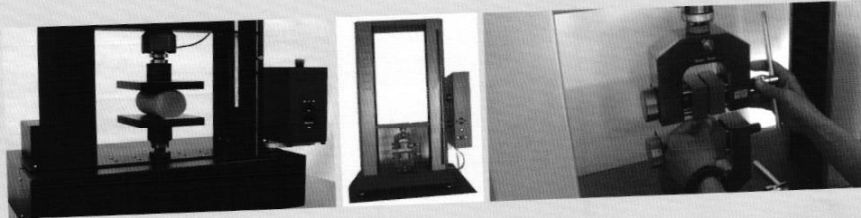


TESTING REQUIREMENTS

Astral Ultradrain® uPVC pipes & fittings are manufactured subject to strict and continuous control over raw materials, production, dimensions & identification. The rigorous testing and quality control throughout the entire process ensures that Astral Ultradrain® System is highly reliable and efficient in working.



PIPES ARE SUBJECT TO TESTS LIKE.

- Tensile Strength
- Reversion
- Vicat softening temp. test
- Water tightness of joint
- Axial Shrinkage.
- Impact Strength
- Stress relief test
- Exposure to Sunlight
- Resistance to H_2SO_4

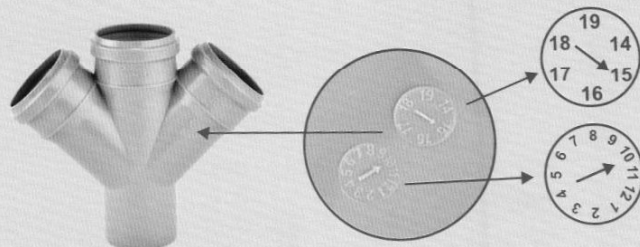
FITTING ARE SUBJECT TO TESTS LIKE.

- Impact Strength
- Stress relief test
- Vicat Softening temp. test
- Water tightness of joint
- Resistance to H_2SO_4
- Sulphated Ash content

Note: The acceptance criteria for test results obtained are as per widely accepted International and National Standards.

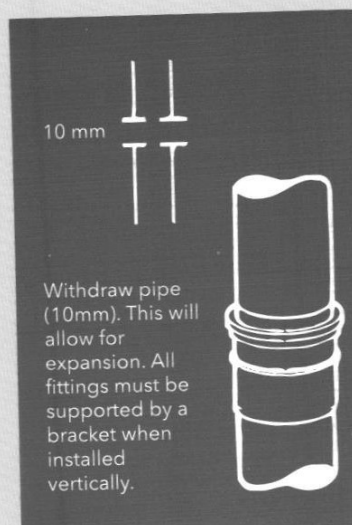
UNIQUE IDENTIFICATION :

Each fitting is having unique identification known as "Clock". This system ensures 100% traceability to every production lot.



THERMAL EXPANSION AND CONTRACTION :

Astral Ultradrain® piping system will undergo thermal expansion and contraction like any other thermoplastic materials. The thermal expansion & contraction depends on the co-efficient of thermal expansion ($5.4 \times 10^{-5} \text{ mm / mm } ^\circ\text{C}$ for PVC), length of piping and temperature difference encountered by the piping. Normally for drainage & sewerage system temperature difference of atmosphere will effect more to thermal movements of piping rather than effluent temperatures as full bore discharges are normally not happened for prolong time and also these discharges are periodic in nature. Still expansion & contraction issue needs to be addressed. For solvent weld systems, change in direction, offset or expansion loops are recommended while for ringfit joining systems specially designed rubber rings and proper joining of pipes and fittings will take care of length change. Please refer joining method section of this catalogue for more details.



ASTRAL ULTRADRAIN® GROOVED TYPE FITTINGS

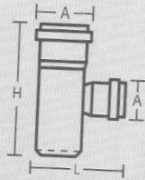
SINGLE TEE



SIZE (D)	PART NO.	WT.	A	H	L
75	M112000107	3.2	90	186	135
90	M112000108	3.2	105	233	170
110	M112000109	3.2	127	258	193
160	M112000112	4.0	182	362	270

Application : Required to connect branch soil / waste line to main line at an angle of 87.5°.

REDUCING TEE



SIZE (Dxd)	PART NO.	WT.	A	H	L
# 90 x 75	M112000330	3.2	105 x 90	232	152
110 x 75	M112000329	3.2	127 x 90	260	175
160 x 75	M112000335	4.0	182 x 90	343	229
160 x 110	M112000331	4.0	182 x 127	343	235

Application : Required to connect branch line at 87.5° / 92.5°

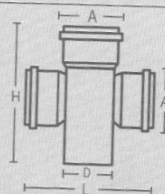
SINGLE TEE L-H WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112000507	3.2	90	186	137	79
110	M112000509	3.2	127	258	185	107

Application : Same as plain Tee with option of L-H door for cleaning purpose.

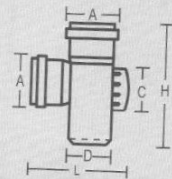
CROSS TEE



SIZE (D)	PART NO.	WT.	A	H	L
75	M112000707	3.2	90	187	185
110	M112000709	3.2	127	257	255

Application : Required to connect two adjacent branch line at an angle of 87.5°/92.5°

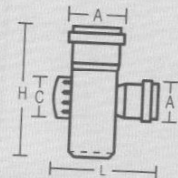
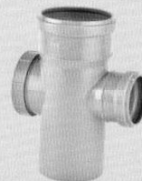
SINGLE TEE WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112000207	3.2	90	186	176	79
90	M112000208	3.2	105	233	193	92
110	M112000209	3.2	127	258	224	107
160	M112000212	4.0	182	362	298	107

Application : Same as plain Tee with option of door for cleaning purpose.

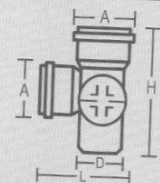
REDUCING TEE WITH DOOR



SIZE (Dxd)	PART NO.	WT.	A	H	L	C
# 90 x 75	M112000430	3.2	105 x 90	232	173	79
110 x 75	M112000429	3.2	127 x 90	260	207	107
160 x 75	M112000435	4.0	182 x 90	343	266	107
160 x 110	M112000431	4.0	182 x 127	343	277	107

Application : Same as Reducing Tee with option of door for cleaning purpose.

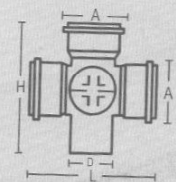
SINGLE TEE R-H WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112000607	3.2	90	186	137	79
110	M112000609	3.2	127	258	185	107

Application : Same as plain Tee with option of R-H door for cleaning purpose.

CROSS TEE WITH DOOR

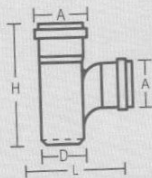


SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112000807	3.2	90	187	185	79
110	M112000809	3.2	127	257	255	107

Application : Same as cross Tee with option of door for cleaning purpose.

ASTRAL ULTRADRAIN® GROOVED TYPE FITTINGS

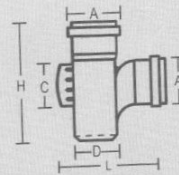
SWEPT TEE



SIZE (D)	PART NO.	WT.	A	H	L
75	M112000907	3.2	90	204	155
110	M112000909	3.2	127	265	205

Application : Same as plain Tee.

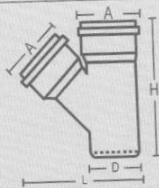
SWEPT TEE WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112001007	3.2	90	204	175	79
110	M112001009	3.2	127	265	230	107

Application : Same as plain Tee with option of door for cleaning purpose.

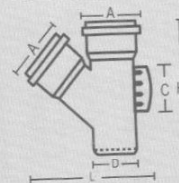
SINGLE 'Y'



SIZE (D)	PART NO.	WT.	A	H	L
75	M112001907	3.2	90	217	180
90	M112001908	3.2	105	258	207
110	M112001909	3.2	127	294	266
160	M112001912	4.0	182	412	347

Application : Required to connect branch soil/waste pipeline to the main vertical line at an angle of 45°.

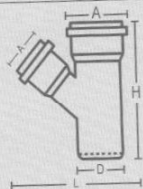
SINGLE 'Y' WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112002007	3.2	90	217	200	79
90	M112002008	3.2	105	258	223	92
110	M112002009	3.2	127	294	273	107
160	M112002012	4.0	182	412	370	107

Application : Same as plain 'Y' with option of door for cleaning purpose.

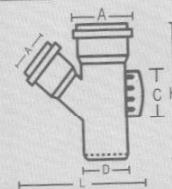
REDUCING SINGLE 'Y'



SIZE (D)	PART NO.	WT.	A	H	L
110 x 75	M112002129	3.2	127 x 90	250	215
160 x 75	M112002135	3.2	182 x 90	282	284
160 x 110	M112002131	3.2	182 x 127	332	310

Application : Required to connect branch soil/waste pipeline to the main vertical line at an angle of 45° with reduction of size.

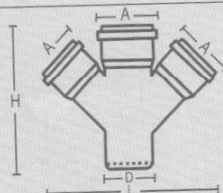
REDUCING SINGLE 'Y' WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
110 x 75	M112002229	3.2	127 x 90	250	242	107
160 x 75	M112002235	3.2	182 x 90	282	284	304
160 x 110	M112002231	3.2	182 x 127	332	310	330

Application : Same as reducing "Y" with option of door for cleaning purpose.

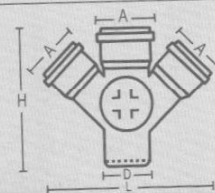
DOUBLE 'Y'



SIZE (D)	PART NO.	WT.	A	H	L
75	M112002307	3.2	90	215	261
110	M112002309	3.2	127	295	375

Application : Required to connect 2 branch soil/waste pipeline to the main vertical line at an angle of 45°.

DOUBLE 'Y' WITH DOOR

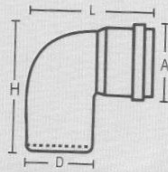


SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112002407	3.2	90	215	261	79
110	M112002409	3.2	127	295	375	107

Application : Same as Double 'Y' with option of door for cleaning purpose.

ASTRAL ULTRADRAIN® GROOVED TYPE FITTINGS

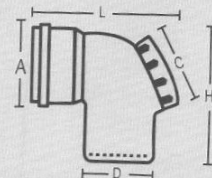
BEND 87.5°



SIZE (D)	PART NO.	WT.	A	H	L
75	M112001207	3.2	90	146	134
90	M112001208	3.2	105	174	173
110	M112001209	3.2	127	198	175
160	M112001212	4.0	182	276	267

Application : Required to connect internal pipeline to main pipeline & also for direction change at an angle of 87.5°.

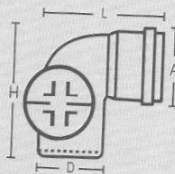
BEND 87.5° WITH DOOR (TS)



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112001307	3.2	90	146	155	79
90	M112001308	3.2	105	147	191	92
110	M112001309	3.2	127	198	210	107
160	M112001312	4.0	182	276	280	107

Application : Same as Bend with option of door for cleaning purpose.

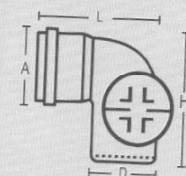
BEND 87.5° L-H WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112001407	3.2	90	143	135	79
110	M112001409	3.2	127	196	185	107

Application : Same as Bend with option of L-H door for cleaning purpose.

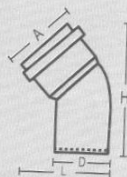
BEND 87.5° R-H WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112001507	3.2	90	143	135	79
110	M112001509	3.2	127	196	185	107

Application : Same as Bend with option of R-H door for cleaning purpose.

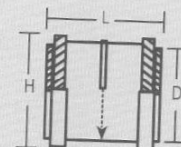
45° BEND



SIZE (D)	PART NO.	WT.	A	H	L
75	M112001107	3.2	90	153	120
90	M112001108	3.2	105	189	140
110	M112001109	3.2	127	207	168
160	M112001112	4.0	182	260	233

Application : Required as a shoe for drainage line & also for direction change at an angle of 45°.

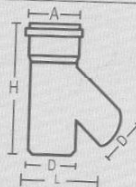
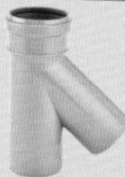
COUPLER



SIZE (D)	PART NO.	WT.	H	L
75	M112001607	3.2	90	105
90	M112001608	3.2	105	116
110	M112001609	3.2	127	130
160	M112001612	4.0	180	158

Application : Required to connect two length of pipe.

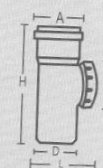
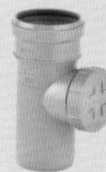
INVERT 'Y' 45°



SIZE (D)	PART NO.	WT.	A	H	L
75	M112002507	3.2	90	221	180

Application : Required to connect two branches an angle of 45° with invert socket.

CLEANSING PIPE

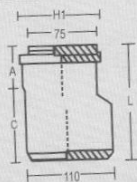


SIZE (D)	PART NO.	WT.	A	H	L	C
75	M112002607	3.2	90	187	118	79
110	M112002609	3.2	127	258	143	107
160	M112002612	4.0	182	345	207	107

Application : Used in between a vertical line to facilitate cleaning.

ASTRAL ULTRADRAIN® GROOVED TYPE FITTINGS

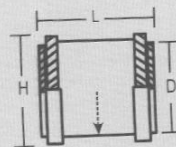
REDUCER



SIZE (Dxd)	PART NO.	WT.	A	H-1	L	C
90 x 75	M112001830	3.2	45	91	137	93
110 x 75	M112001829	3.2	58	90	151	92
110 x 90	M112001843	3.2	55	105	161	105
160 x 75	M112001835	4.0	90	85	175	90
160 x 110	M112001831	4.0	68	127	186	117

Application : Required to reduce 110mm dia. pipe to 75 mm dia. pipe.

REPAIR COUPLER



SIZE (D)	PART NO.	WT.	H	L
75	M112001707	3.2	90	105
110	M112001709	3.2	127	130

Application : Required to repairing of pipe, having small cracks / holes / dents.

RINGFIT JOINING METHOD

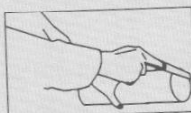
1. CUT PIPE :

Cut pipe square. As joints are sealed at the base of the fitting socket. An angled cut may result in joint failure.



2. REMOVE BURR AND BEVEL :

Remove all burr from inside and outside of pipe with a knife-edge file, or deburring tool. Chamfer (bevel) the end of the pipe 10° -15°

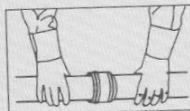


CLEAN :

Remove surface dirt, grease, or moisture with a clean dry cloth.

3. INSERT PIPE :

Insert the pipe in to the socket without the seal ring and mark along the pipe, when it is fully inserted.



4. FIX RUBBER RING :

Fix the rubber ring in the groove without twisting it.

5. APPLY LUBRICANT :

Apply jointing lubricant to the chamfered end of the pipe & on rubber ring up to the mark made on spigot or to the socket end of fitting.



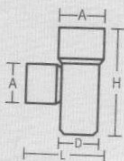
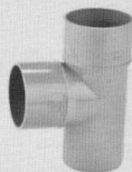
6. JOIN PIPE AND FITTINGS :

Push the pipe firmly into the socket till the gap between the mark on the spigot and the socket is about 10 mm to allow thermal expansion.



ASTRAL ULTRADRAIN® PASTING TYPE FITTINGS

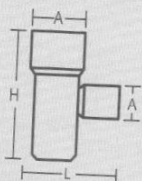
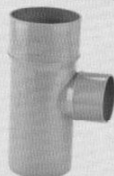
SINGLE TEE



SIZE (D)	PART NO.	WT.	A	H	L
75	M142000107	3.2	82	190	140
90	M142000108	3.2	97	236	165
110	M142000109	3.2	117	264	195
160	M142000112	4.0	168	368	285

Application : Required to connect branch soil / waste line to main line at an angle of 87.5°.

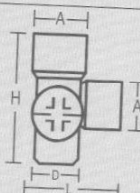
REDUCING TEE



SIZE (Dxd)	PART NO.	WT.	A	H	L
#90 x 75	M142000330	3.2	97 x 82	236	157
110 x 75	M142000329	3.2	117 x 82	265	179
160 x 75	M142000335	4.0	168 x 82	350	233
160 x 110	M142000331	4.0	168 x 172	350	240

Application : Required to connect branch line at 87.5° / 92.5°

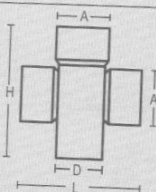
SINGLE TEE L-H WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142000507	3.2	82	190	140	79
110	M142000509	3.2	117	261	193	107

Application : Same as plain Tee with option of L-H door for cleaning purpose.

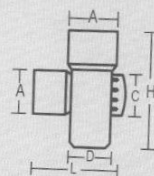
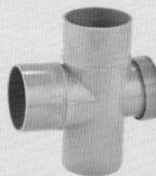
CROSS TEE



SIZE (D)	PART NO.	WT.	A	H	L
75	M142000707	3.2	82	190	206
110	M142000709	3.2	117	262	277

Application : Required to connect two adjacent branch line at an angle of 87.5°/92.5°

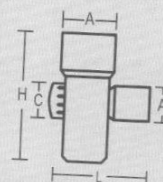
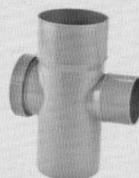
SINGLE TEE WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142000207	3.2	82	190	172	79
90	M142000208	3.2	97	236	198	92
110	M142000209	3.2	117	264	233	107
160	M142000212	4.0	168	368	318	107

Application : Same as plain Tee with option of door for cleaning purpose.

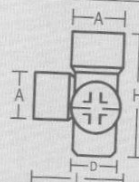
REDUCING TEE WITH DOOR



SIZE (Dxd)	PART NO.	WT.	A	H	L	C
#90 x 75	M142000430	3.2	97 x 82	236	177	79
110 x 75	M142000429	3.2	117 x 82	265	211	107
160 x 75	M142000435	4.0	168 x 82	350	270	107
160 x 110	M142000431	4.0	168 x 117	350	277	107

Application : Same as Reducing Tee with option of door for cleaning purpose.

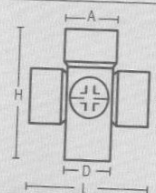
SINGLE TEE R-H WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142000607	3.2	82	190	140	79
110	M142000609	3.2	117	261	193	107

Application : Same as plain Tee with option of R-H door for cleaning purpose.

CROSS TEE WITH DOOR

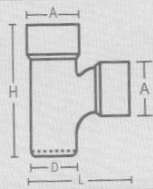


SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142000807	3.2	82	190	206	79
110	M142000809	3.2	117	262	277	107

Application : Same as cross Tee with option of door for cleaning purpose.

ASTRAL ULTRADRAIN® PASTING TYPE FITTINGS

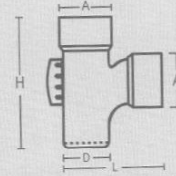
SWEPT TEE



SIZE (D)	PART NO.	WT.	A	H	L
75	M142000907	3.2	82	208	160
110	M142000909	3.2	117	273	212

Application : Same as plain Tee.

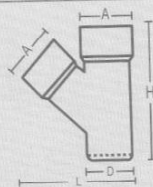
SWEPT TEE WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142001007	3.2	82	208	180	79
110	M142001009	3.2	117	273	236	107

Application : Same as plain Tee with option of door for cleaning purpose.

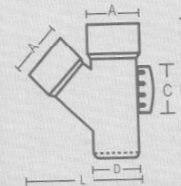
SINGLE 'Y'



SIZE (D)	PART NO.	WT.	A	H	L
75	M142001907	3.2	82	220	175
90	M142001908	3.2	97	260	207
110	M142001909	3.2	117	298	253
160	M142001912	4.0	168	417	348

Application : Required to connect branch soil/waste pipeline to the main vertical line at an angle of 45°.

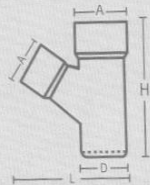
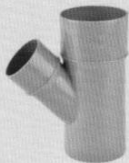
SINGLE 'Y' WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142002007	3.2	82	220	202	79
90	M142002008	3.2	97	260	225	92
110	M142002009	3.2	117	298	290	107
160	M142002012	4.0	168	417	382	107

Application : Same as plain 'Y' with option of door for cleaning purpose.

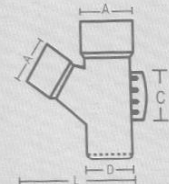
REDUCING SINGLE 'Y'



SIZE (D)	PART NO.	WT.	A	H	L
110 x 63	M142002132	3.2	117 x 70	253	202
110 x 75	M142002129	3.2	117 x 82	253	210
160 x 75	M142002135	3.2	162 x 82	288	286
160 x 110	M142002131	3.2	168 x 117	337	312

Application : Required to connect branch soil/waste pipeline to the main vertical line at an angle of 45° with reduction of size.

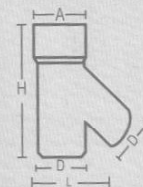
REDUCING SINGLE 'Y' WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
110 x 63	M142002232	3.2	117 x 70	253	234	107
110 x 75	M142002229	3.2	117 x 82	253	247	107
160 x 75	M142002235	3.2	162 x 82	288	286	107
160 x 110	M142002231	3.2	168 x 117	337	312	107

Application : Same as reducing "Y" with option of door for cleaning purpose.

INVERT 'Y' 45°

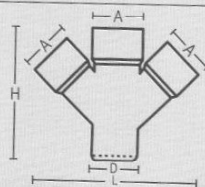
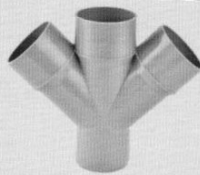


SIZE (D)	PART NO.	WT.	A	H	L
75	M142002507	3.2	82	226	175

Application : Required to connect two branches an angle of 45° with invert socket.

ASTRAL ULTRADRAIN® PASTING TYPE FITTINGS

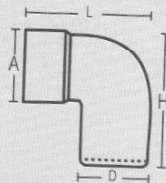
DOUBLE 'Y'



SIZE (D)	PART NO.	WT.	A	H	L
75	M142002307	3.2	82	220	268
110	M142002309	3.2	117	300	390

Application : Required to connect 2 branch soil/waste pipeline to the main vertical line at an angle of 45°.

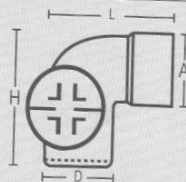
BEND 87.5°



SIZE (D)	PART NO.	WT.	A	H	L
75	M142001207	3.2	82	142	140
90	M142001208	3.2	97	171	174
110	M142001209	3.2	117	195	188
160	M142001212	4.0	168	270	271

Application : Required to connect internal pipeline to main pipeline & also for direction change at an angle of 87.5°.

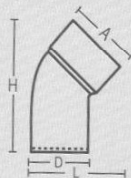
BEND 87.5° L-H WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142001407	3.2	82	137	139	79
110	M142001409	3.2	117	192	195	107

Application : Same as Bend with option of L-H door for cleaning purpose.

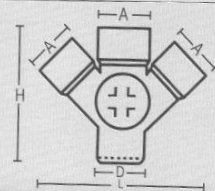
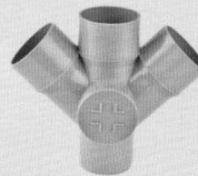
45° BEND



SIZE (D)	PART NO.	WT.	A	H	L
75	M142001107	3.2	82	157	123
90	M142001108	3.2	97	192	143
110	M142001109	3.2	117	212	168
160	M142001112	4.0	168	265	228

Application : Required as a shoe for drainage line & also for direction change at an angle of 45°.

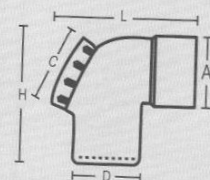
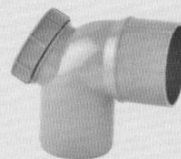
DOUBLE 'Y' WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142002407	3.2	82	220	268	79
110	M142002409	3.2	117	300	390	107

Application : Same as Double 'Y' with option of door for cleaning purpose.

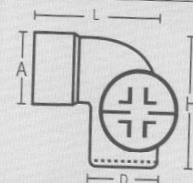
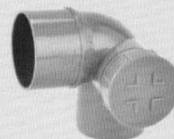
BEND 87.5° WITH DOOR (TS)



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142001307	3.2	82	142	168	79
90	M142001308	3.2	97	171	194	92
110	M142001309	3.2	117	195	217	107
160	M142001312	4.0	168	270	282	107

Application : Same as Bend with option of door for cleaning purpose.

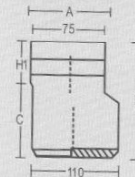
BEND 87.5° R-H WITH DOOR



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142001507	3.2	82	137	139	79
110	M142001509	3.2	117	192	195	107

Application : Same as Bend with option of R-H door for cleaning purpose.

REDUCER

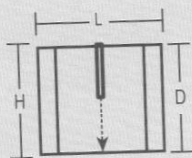


SIZE (Dxd)	PART NO.	WT.	A	H-1	L	C
90 x 75	M142001930	3.2	82	45	137	93
110 x 75	M142001929	3.2	82	61	153	92
110 x 90	M142001943	3.2	95	58	163	105
160 x 75	M142001935	4.0	90	82	180	90
160 x 110	M142001931	4.0	118	73	190	117

Application : Required to reduce 110mm dia. pipe to 75 mm dia. pipe.

ASTRAL ULTRADRAIN® PASTING TYPE FITTINGS

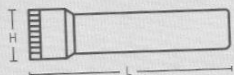
COUPLER



SIZE (D)	PART NO.	WT.	H	L
75	M142001607	3.2	82	113
90	M142001608	3.2	97	119
110	M142001609	3.2	117	137
160	M142001612	4.0	168	165

Application : Required to connect two length of pipe.

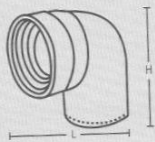
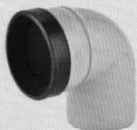
W.C. CONNECTOR (STRAIGHT)



SIZE (D)	PART NO.	L	H
110	F172006009	450	122

Application : To connect W.C. pans to soil pipe.

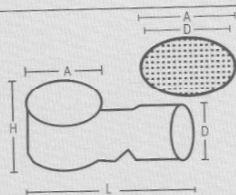
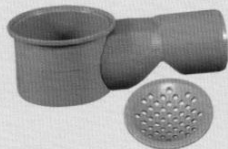
W.C. CONNECTOR (BEND)



SIZE (D)	PART NO.	L	H
110	F172005909	192	197

Application : To provide appropriate adaption to W.C. pans.

NAHANI TRAP & JALI



SIZE (D)	PART NO.	H	L	A
63	M142003106	67	215	120
75	M142003107	85	256	128
90	M142003108	91	260	128
110	M142003109	100	270	128

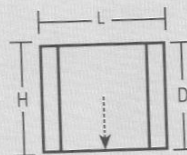
NAHANI TRAP (SINGLE PIECE)

63 (with Jali)	M142007006	67	215	120
63 (without Jali)	M142007106	67	215	120

JALI	PART NO.	SIZE (D)	WT.	A
	M142008509	110	3.4	119

Application : For draining waste from bathroom / wash basin out to the main line.

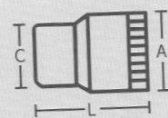
REPAIR COUPLER



SIZE (D)	PART NO.	WT.	H	L
75	M142001707	3.2	82	113
110	M142001709	3.2	117	137

Application : Required to repairing of pipe, having small cracks / holes / dents.

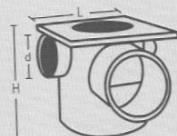
W.C. CONNECTOR (RED)



SIZE (D)	PART NO.	WT.	A	C	L
125 x 110	M112003834	3.2	125	110	103

Application : 125 x 110 Reducer with W.C. ring can be joined to required length of pipe to take the line out.

4", 5", 7" FLOOR TRAP



SIZE	PART NO.	D	d	A	L	H
4"	M142003208	75	50	117	206	100
5"	M142003209	90 x 75	50	117	195	142
7"	M142003210	75	40	117	208	178
4" (Red)	M142003236	75 x 63	50	117	206	100

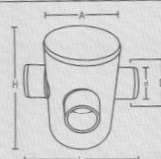
Application : For multiple draining i.e. Bathroom/ Washbasin/ Washing machine / Bathtub etc. Provided with 3 additional inlets that can be opened as an when required.

PLAIN FLOOR TRAP



SIZE	PART NO.	D	d	A	L	H
4"	M142003208	75	63	117	155	101
5"	M142003209	75	63	117	155	140

MULTI FLOOR TRAP ADAPTOR (HEIGHT RISER)

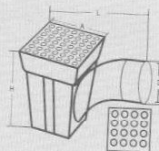
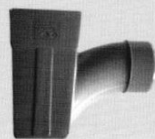


SIZE	PART NO.	WT.	A	D	d	L	H
110 x 50/40	M112003344	2.75	110	50	40	180	158

Application : Required to raise the height of floor traps.

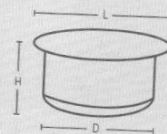
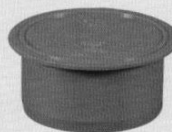
ASTRAL ULTRADRAIN® FABRICATED FITTINGS

GULLY TRAP (SQUARE TYPE) WITH JALI



SIZE (D)	PART NO.	WT.	A	H	L
110	M142003409	3.2	139	239	290

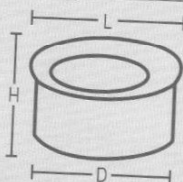
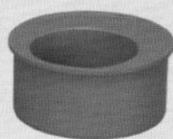
SOCKET PLUG



SIZE (D)	PART NO.	WT.	H	L
75	M112002907	3.2	48	95
110	M112002909	3.2	60	130

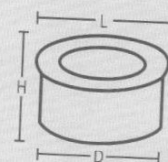
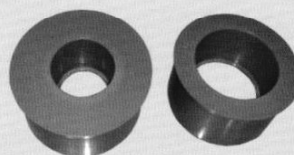
Application : Used as a blind plug to terminate the pipeline.

ECCENTRIC REDUCING BUSH



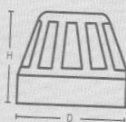
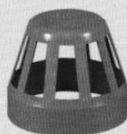
SIZE (D)	PART NO.	WT.	H	L
110 x 63	M112003032	3.2	49	115
110 x 75	M112003029	3.2	49	115
110 x 90	M112003043	3.2	50	115
160 x 110	M112003031	4.0	78	172

STRAIGHT REDUCING BUSH



SIZE (D)	PART NO.	WT.	H	L
110 x 75	M112007535	4.0	83	170
160 x 110	M112007531	4.0	83	170

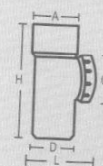
VENT COWL



SIZE (D)	PART NO.	WT.	H
# 50	M112002705	3.2	56
# 63	M112002706	3.2	67
75	M112002707	3.2	67
# 90	M112002708	3.2	80
110	M112002709	3.2	90

Application : Used as a cap on the top of the vertical line. Also helps in release of foul gases.

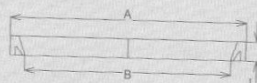
CLEANSING PIPE



SIZE (D)	PART NO.	WT.	A	H	L	C
75	M142002607	3.2	82	190	112	79
110	M142002609	3.2	117	263	157	107
160	M142002612	4	168	350	200	107

Application : Used in between a vertical line to facilitate cleaning.

RUBBER SEAL RING



SIZE (D)	A	B	L
75	85	71	9
90	100	84	9
110	122	106	10
160	175	152	13

PIPE CLIP



SIZE (D)	WT.	WT.	H	L
40	M112002804	3.2	75	76
50	M112002805	3.2	84	86
63	M112002806	3.2	98	103
75	M112002807	3.2	110	112
90	M112002808	3.2	122	140
110	M112002809	3.2	143	140
160	M112002812	4.0	210	180

Application : To fix / secure the pipeline to the wall or flat surface.

Shortly Introducing