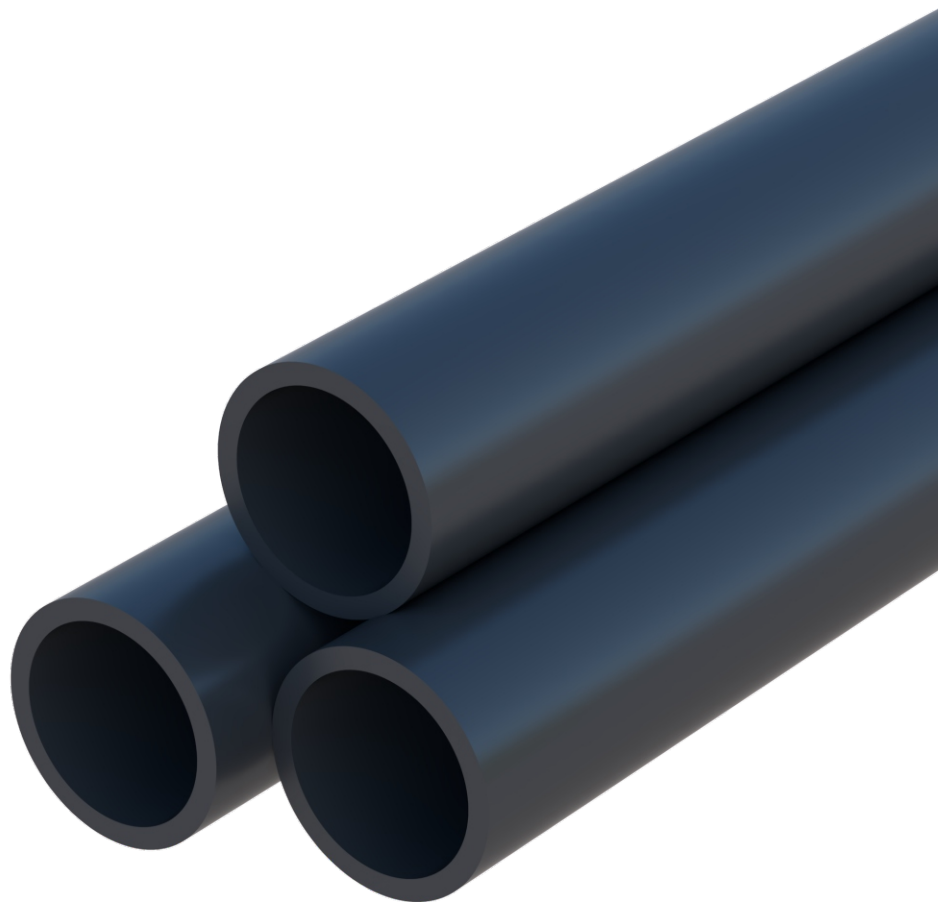


PIPA & FITTING HDPE DRAINAGE



Pipe For The Underground
Drainage, Irigation & Sewerage



PRODUCT CATALOG

APPLICATION



Drainage &
Sewerage



Marine &
Mining



Agriculture

Dear Valued Customer

PT. AMD PIPING SYSTEM Founded in 2020, it is a company operating in the most complete piping sector in Indonesia. Offers products such as Pipes, Fittings, Valves, Accessories, Machinery, Equipment & Piping System.

We focus on serving customers in the Infrastructure, Housing, Commercial, Industrial, Mining, Maritime, Agricultural and Plantation sectors.

AMD's goal is to offer high-quality products and services to meet customer needs.

AMD manages its business in accordance with standards

ISO 9001:2015
Quality Management System Certificate
ISO 14001:2015
Environmental Management System Certificate
ISO 45001:2018
Safety and Health Management System Certificate



PT. AMD PIPING SYSTEM Berdiri sejak tahun 2020 merupakan Perusahaan yang bergerak di bidang perpipaan terlengkap di Indonesia. Menawarkan produk-produk seperti Pipa, Fitting, Valve, Accesories, Mesin, Peralatan & Sistem Perpipaan.

Kami fokus melayani pelanggan di bidang Infrastruktur, Perumahan, Komersial, Industrial, Pertambangan, Kelautan, Pertanian dan Perkebunan.

Tujuan AMD adalah menawarkan produk dan layanan berkualitas tinggi untuk memenuhi kebutuhan pelanggan .

AMD mengelola usaha sesuai dengan standard

ISO 9001:2015
Sertifikat Sistem Manajemen Mutu
ISO 14001:2015
Sertifikat Sistem Manajemen Lingkungan
ISO 45001:2018
Sertifikat Sistem Manajemen Keselamatan dan Kesehatan



PIPING SYSTEM TOTAL SOLUTION

Pipes, Fittings, Mesin & Tools
Valves, Accesories, Piping System



Water Supply



Drainage &
Sewerage



Electrical &
Communication



Hot & Cold



Marine &
Mining



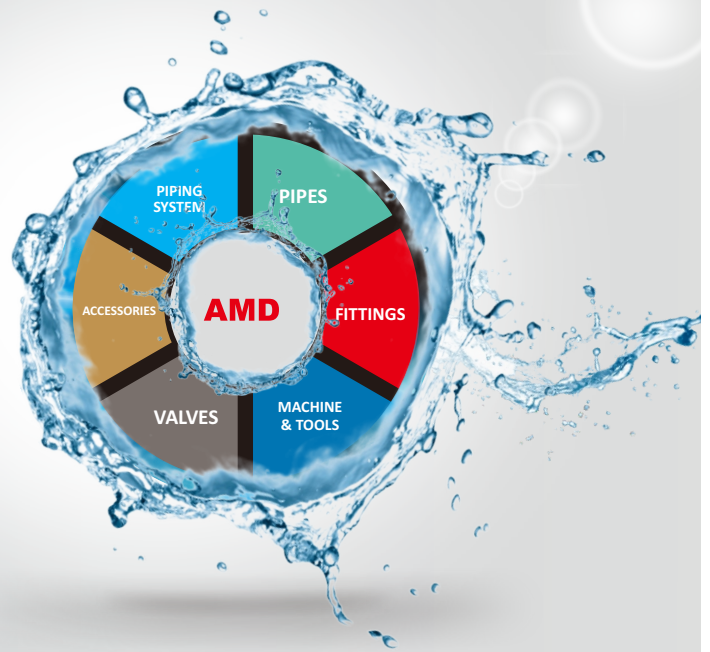
Agriculture



Fire Protection



Gas



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AMD

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PIPA HDPE (HIGH-DENSITY POLYETHYLENE). Terbuat dari bahan plastik PE-100 yang mempunyai tingkat kerapatan yang tinggi. Polyethylene adalah Thermoplastic yang terbuat dari minyak bumi yang diperoleh dari proses polimerisasi ethylene, dibentuk pada saat mencapai titik leleh tertentu setelah melalui proses ekstrusi. Karena kenaikan nilai ini menunjukkan bahwa kekuatan meningkat, itu berarti ketebalan dinding menjadi lebih tipis untuk kelas tekanan yang sama. Pipa HDPE banyak digunakan untuk menyalurkan air dan gas dan sering digunakan untuk menggantikan pipa beton, Pipa PVC dan pipa besi.

1.1. Keterangan Produk

Nama Produk	AMD PIPA HDPE
Raw material	PE 100
Warna Produk	HITAM
Standard Produksi	SNI 4829.2:2015
Standard Produksi Lain	ISO 4427.2:2019
Standard Produksi Untuk Fitting	SNI 4829.2:2015

1.2. Spesifikasi Produk

Nominal Diameter	50 - 315 mm
Preassure Nominal	6, 8, 10 Bar
Panjang Pipa	5.8 , 6 m

1.3. Spesifikasi Teknik

Data Polymer	PE 100	Unit	Metode Pengujian
Density at (23 °C)	0.955	g/cm ³	ISO 1183
Viscosity Number	360	cm ³ /gr	ISO 1628
MFR (190° / 5 kg)	0.22	g/10 dak.	ISO 1133
MFR (190° / 25 kg)	6.6	g/10	ISO 1133
Mechanical Properties			
Yield Stress	23	MPa	ISO 527
Elongation at yield	9	%	ISO 527
Tensile Modulus	900	%	ISO 527
Notched Impact Strenght			
+ 23 °C	26	kJ / m ²	ISO 179/1eA
- 20 °C	13	kJ / m ²	ISO 179/1eA
Properties Lain			
Oxidation - Induction time at (210 °C'de)	≥20	min	ISO TR 10837
Carbon Black Content	2.3±0.2	%	ISO 6964
Carbon Black Dispersion	≤3		ISO CD 11420
MRS minimum Required Strenght	<10	Mpa	ISO TR 9080
Resistance to S.C.P (Slow Crack Propagation)=4,6 Mpa, 80 °C Notched	>3000	h	EN 33479
Resistance to R.C.P (Rapid Crack Propagation) S4-test 110/10 mm) 0°C	<25	bar	ISO DIS 13477
Elongation at break	< 600	%	EN 638
Linear Thermal Expansion	1.8x10 ⁻⁴	°C ⁻¹	ASTM D 696 (20-60 °C)
Specific Heat Capacity	1.9	J / g °C	BPCL
Electrical Properties			
Electric Strenght	>20	kV / mm	BS 2782 201 B
Volume resistivity	>10 ¹³	Ω m	BS 2782 230 A
Surface resistivity	>10 ¹⁵	Ω	BS 2782 231A
Relative permittivity	2.6	-	BS 2067 (1 to 20 MHZ)
Loss tangent	3x10 ⁻⁴	-	BS 2067

1.4. Aplikasi Produk

1. Pembuangan air limbah kota
2. Pembuangan air hujan
3. Drainase tambang
4. Irigasi
5. Ventilasi tambang dan bangunan
6. Pembuangan limbah industri

1.5. Standard Kualitas



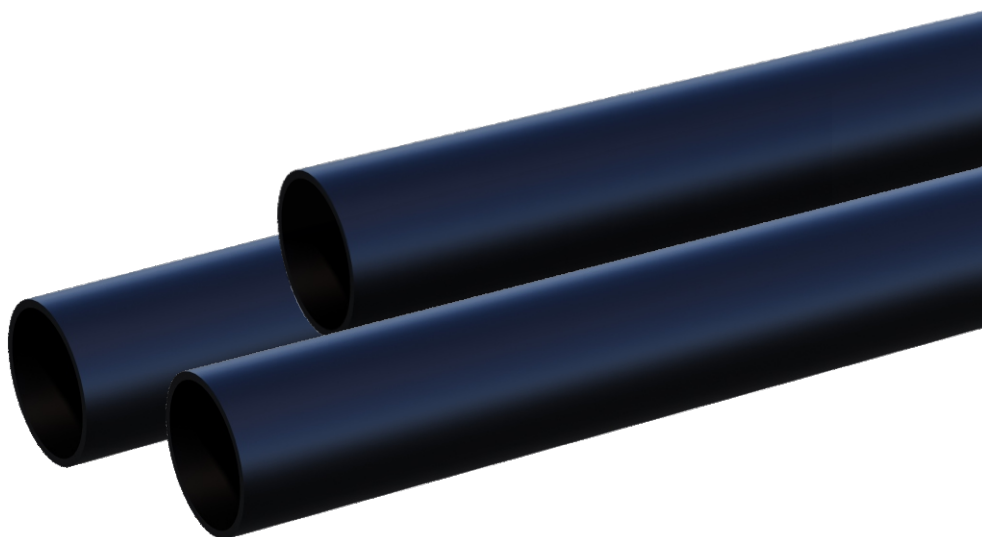
1.6. Dimensi Pipa

DIMENSI		SDR 26 PN 6		SDR 21 PN 8		SDR 17 PN 10	
DN (mm)	ND (inch)	Tebal (mm)	Berat (Kg)	Tebal (mm)	Berat (Kg)	Tebal (mm)	Berat (Kg)
50	1-1/2	2.0	0.31	2.4	0.37	3.0	0.45
63	2	2.5	0.49	3.0	0.58	3.8	0.72
75	2-1/2	2.9	0.67	3.6	0.83	4.5	1.02
90	3	3.5	0.98	4.3	1.19	5.4	1.46
110	4	4.2	1.44	5.3	1.78	6.6	2.18
125	5	4.8	1.85	6.0	2.28	7.4	2.78
160	6	6.2	3.06	7.7	3.74	9.5	4.36
200	8	7.7	4.73	9.6	5.82	11.9	5.76
250	10	9.6	7.36	11.9	9.01	14.8	7.11
315	12	12.1	11.69	15.0	14.29	18.7	17.58

SDR : Standard Dimension Ratio

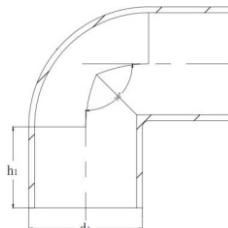
DN : Diameter Nominal

PN : Pressure Nominal



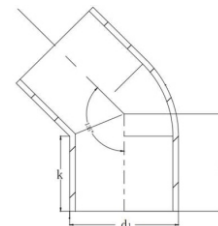
2.1. Fitting Butt Fusion Drainage

Elbow 90°



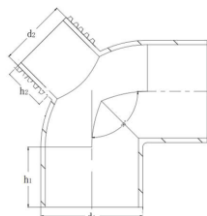
SIZE (DN)	h1 (mm)
50	35
63	44
75	38
90	44
110	45
125	50
160	54
200	72
250	72
315	77

Elbow 45°



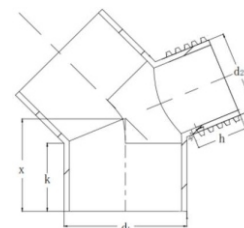
SIZE (DN)	X (mm)	K (mm)
50	35	34
63	44	42
75	38	36
90	44	43
110	45	42
125	50	49
160	54	50
200	72	60
250	72	75
315	77	93

Elbow With Clean Out 90°



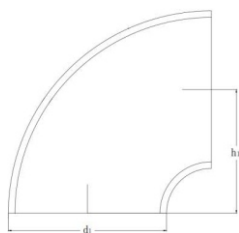
SIZE (DN)	h1 (mm)	d2 (mm)	h2 (mm)
50	43	50	31
75	44	50	31
110	50	50	31
160	54	50	31

Elbow With Clean Out 45°



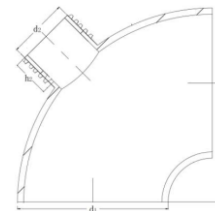
SIZE (DN)	X	K	d2	h
50	52	42	50	31
75	57	42	50	31
110	71	49	50	31
160	82	49	50	31

Curved Elbow 90°



SIZE (DN)	h1 (mm)
50	39
56	44
63	50
75	59
110	86
125	99
160	126
200	157

Curved Elbow With Clean Out 90°



SIZE (DN)	h1 (mm)	d2 (mm)	h2 (mm)
50	39	50	31
63	50	50	31
75	59	50	31
110	86	50	31
125	99	50	31
160	126	50	31
200	157	50	31

Elbow 88.5°



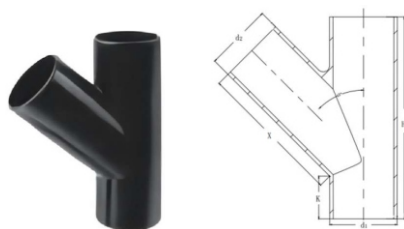
SIZE (DN)
50
63
75
90
110
125
160
200
250
315

Elbow Long 90°



SIZE (DN)
50
63
75
90
100

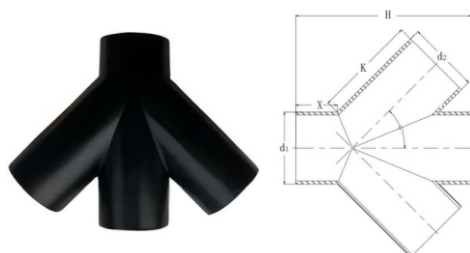
Branch Tee 45°



SIZE (DN)	d2	H	X	K
50	50	170	122	44
56	56	170	129	34
63	50	186	123	40
63	63	189	135	40
75	50	171	111	40
75	63	191	129	40
75	75	207	135	42
90	50	175	113	42
90	63	195	129	42
90	75	208	138	42
90	90	235	150	42
110	50	195	106	52
110	56	198	115	52
110	63	229	131	52
110	75	227	133	52
110	90	253	150	54
110	110	270	158	68
125	75	252	150	69
125	90	300	161	92

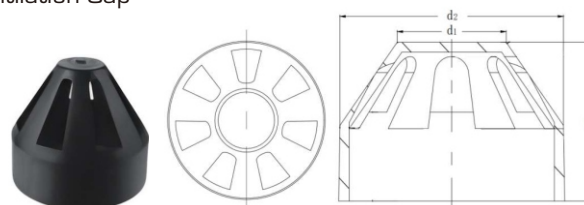
SIZE (DN)	d2	H	X	K
125	110	300	195	64
125	125	322	200	60
160	75	275	158	86
160	90	293	182	72
160	110	315	200	70
160	125	342	217	72
160	160	375	245	64
200	75	322	171	92
200	90	343	186	92
200	110	369	205	92
200	125	399	221	93
200	160	435	255	91
200	200	490	318	91
250	90	353	186	98
250	110	379	205	96
250	125	400	221	96
250	160	445	254	96
250	200	502	313	96
250	250	574	373	96
315	110	407	205	118
315	125	430	220	120
315	160	470	250	120
315	200	530	310	120
315	250	600	360	120
315	315	680	440	120

Y Type Cross



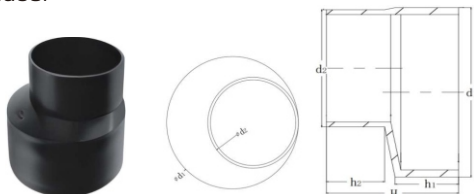
SIZE (DN)	d2	H	X	K
110	50	200	63	125
110	110	270	63	158
160	110	308	68	190
160	160	372	68	228

Ventilation Cap



SIZE (DN)	d2	H
50	20	56
75	29	72
110	44	89
160	78	105

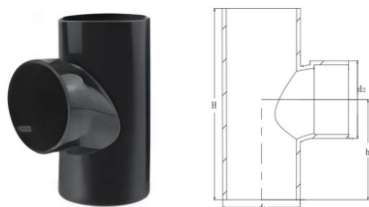
Eccentric Reducer



SIZE (DN)	d2	H	X	K
56	50	98	45	45
63	50	98	45	45
63	56	98	45	45
75	50	98	45	45
75	56	98	45	45
75	63	98	45	45
90	50	98	45	45
90	56	98	45	45
90	63	98	45	45
90	75	98	45	45
110	50	103	50	46
110	56	103	50	46
110	63	103	50	46
110	75	103	50	46

SIZE (DN)	d2	H	X	K
110	90	103	50	46
125	75	105	50	46
125	90	105	50	46
125	110	105	50	46
160	75	104	50	46
160	90	104	50	46
160	110	104	50	46
160	125	104	50	46
200	90	198	107	67
200	110	198	107	67
200	125	198	107	67
200	160	198	107	67
250	110	198	107	73
250	125	198	107	73
250	160	198	107	73
250	200	198	107	73
315	160	263	112	130
315	200	263	112	130
315	250	263	112	130

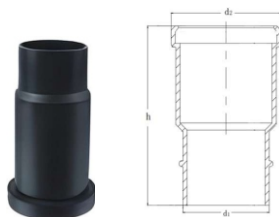
Eccentric Reducer



SIZE (DN)	d2	H	h
50	50	138	72
63	63	151	79
75	75	163	85
90	50	138	73
90	90	179	93
110	50	158	83

SIZE (DN)	d2	H	h
110	63	175	91
110	75	183	95
110	110	225	117
125	75	195	101
125	100	229	120
125	125	244	127
160	75	195	101
160	110	226	117
160	160	284	148
200	110	256	132
200	160	309	158
200	200	349	178

Expansion Socket



SIZE (DN)	d2	H
50	122	70
75	157	99
90	186	115
110	228	133
125	226	151
160	228	182
200	238	231
250	264	285

Clean Out Branch



SIZE (DN)

50 x 50

63 x 50

75 x 75

90 x 75

110 x 110

125 x 110

160 x 110

200 x 110

Access Coupler With
Cleanout

SIZE (DN)

50

63

75

90

110

125

160

200

Clean Out With Steel



SIZE (DN)

75

90

110

125

160

200

250

315

AQTHM Fitting



SIZE (DN)

75

110

Sovent



SIZE (DN)

110

H-type Tube



SIZE (DN)

110 x 75

110 x 110

Drainage Tee



SIZE (DN)

110 x 50

110 x 75

U-trap



SIZE (DN)

50

63

Expansion Socket



SIZE (DN)

50

75

110

Cleaning Hole



SIZE (DN)

50

63

75

90

110

125

160

200

Cleaning Hole With Steel



SIZE (DN)

90

110

125

160

200

Flange Bushing



SIZE (DN)

75

90

110

125

160

200

250

315

Ball Branch



SIZE (DN)

90° Dn.110

180° Dn.110

90° Dn.110 x 75

180° Dn.110 x 75

90° Dn.160

180° Dn.160

Horizontal Floor Drain



SIZE (DN)

50

Vertical Floor Drain



SIZE (DN)

50

75

110

P-traps



SIZE (DN)

50

75

110

P-traps With Clean Out



SIZE (DN)

50

75

110

S-traps



SIZE (DN)

50

75

110

S-traps With Clean Out



SIZE (DN)

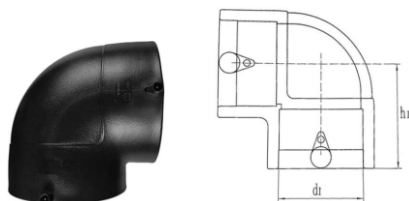
50

75

110

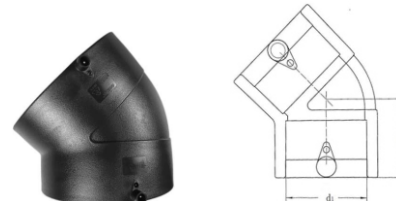
2.2. Fitting Electro Fusion Drainage

Elbow 90°



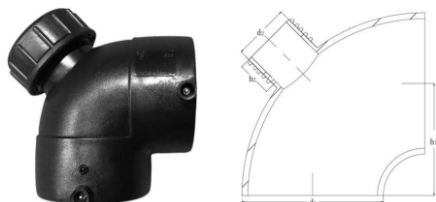
SIZE (DN)	h1 (mm)
50	61
63	68
75	77
90	84
110	101
125	110
160	128
200	-
250	-
315	-

Elbow 45°



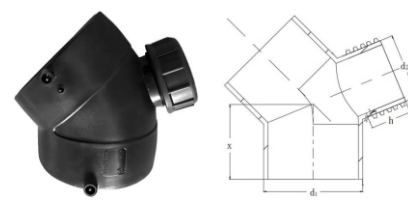
SIZE (DN)	h1 (mm)
50	47
75	55
90	98
110	68
125	75
160	82
200	-
250	-
315	-

Elbow With Clean Out 90°



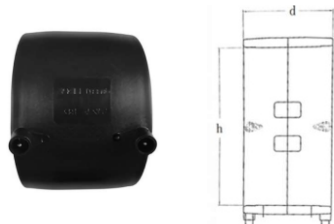
SIZE (DN)	h1 (mm)	d2 (mm)	h2 (mm)
50	61	50	31
63	68	50	31
75	77	50	31
90	84	50	31
110	101	50	31
125	110	50	31
160	128	50	31

Elbow With Clean Out 45°



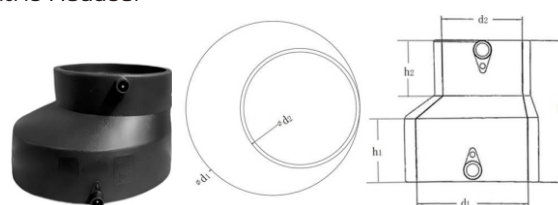
SIZE (DN)	X (mm)	d2 (mm)	h (mm)
50	47	50	31
75	55	50	31
90	98	50	31
110	68	50	31
125	75	50	31
160	82	50	31

Coupler



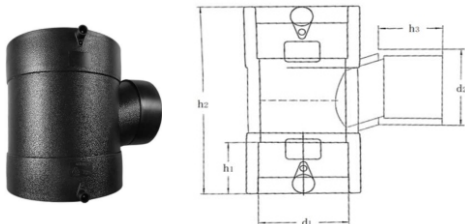
SIZE (DN)	h1 (mm)
50	63
63	65
75	68
90	83
110	88
125	104
160	115
200	125
250	-
315	-

Eccentric Reducer



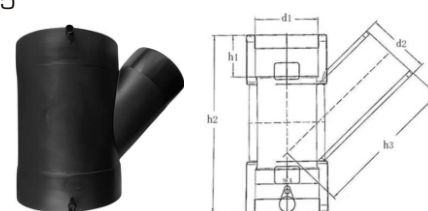
SIZE (DN)	d2	H	X	K
75	50	92	45	40
110	50	102	50	45
110	75	102	45	40
125	75	96	50	40
125	90	99	50	40
125	110	95	50	40
160	75	-	-	-
160	110	110	55	50

TEE 88.5°



SIZE (DN)	d2	h1	h2	h3
50	50	34	125	33
75	50	35	124	33
75	75	35	148	33
110	50	40	143	35
110	75	40	153	36
110	110	40	190	36
125	75	43	160	36
125	100	43	198	38
125	125	43	210	44
160	110	43	200	37
160	160	43	252	33
200	160	52	322	53
200	200	52	398	53

Branch Y Tee 135°



SIZE (DN)	d2	h1	h2	h3
50	50	33	145	149
75	50	35	146	134
75	75	35	182	149
110	50	40	152	160
110	75	40	190	175
110	110	40	237	200
125	75	43	200	184
125	110	43	250	208
125	125	43	280	228
160	110	43	252	240
160	160	43	321	263
200	160	52	370	340
200	200	52	418	350

Clean Out Branch



SIZE (DN)

50 x 50

75 x 50

75 x 75

110 x 50

110 x 75

125 x 75

125 x 110

160 x 110

160 x 160

200 x 110

200 x 160

2.3. Accessories Drainage

Flat Siphon Roof Drain



SIZE

DN50
DN63
DN75
DN90
DN110
DN125
DN160

Siphon Roof Drain



SIZE

DN50
DN63
DN75
DN90
DN110
DN125
DN160

PE Siphon Roof Drain - 87



SIZE

DN50
DN63
DN75
DN90
DN110
DN125
DN160

Square Pipe Clamp



SIZE

30 x 30 M10
30 x 30 M18
40 x 40 M10

Riser Spider 30 x 30



SIZE

DN50
DN63
DN75
DN90
DN110
DN125
DN160
DN200
DN250
DN315

Riser Spider 40 x 40



SIZE

DN50
DN63
DN75
DN90
DN110
DN125
DN160
DN200
DN250
DN315

Anchor Bracket



SIZE

DN50

DN63

DN75

DN90

DN110

DN125

DN160

DN200

DN250

DN315

Installation Fastener



SIZE

M10

M18

M20

M12

Square Pipe Connector



SIZE

30 x 30

40 x 40

Support Shells



SIZE

30 x 30

40 x 40

Anchored Electrofusion Belt



SIZE

75

90

110

125

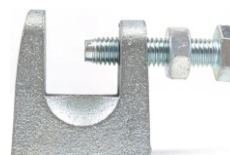
160

200

250

315

C-Shape Beam Clamp



SIZE

25



PT. AMD PIPING SYSTEM



Office

Golden Building, Jl Raya Legok
- Karawaci No. 57-58 Klp. Dua,
Kec. Kelapa Dua, Kabupaten
Tangerang - Banten

Factory

Kawasan Industri JIPS Blok D, Jalan
Raya Semarang-Demak KM 14.7
Desa Batu, Kec. karangtengah,
Kab.Demak, Jawa Tengah



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