



MA PIPELINES MARKETING SDN. BHD. (1089684-U)

Lot 3015A, Batu 6½, Jalan Puchong,

58200 Kuala Lumpur, Malaysia.

Tel. : +603 - 7773 1848 Fax. : + 603 - 7781 7062

Email : mapipelines@gmail.com

Website : www.pipelines.com.my

HUBLESS CAST IRON SOIL PIPES & FITTINGS



Certified To
ISO6594 : 2006



SIRIM
Cert. No. :
CI Pipes : PC001337
CI Fittings : PC001336

COMPLIANCE TO ISO 6594 & BS EN 877



APPROVED CERTIFICATION COMPLIANCE TO ISO 6594:2006

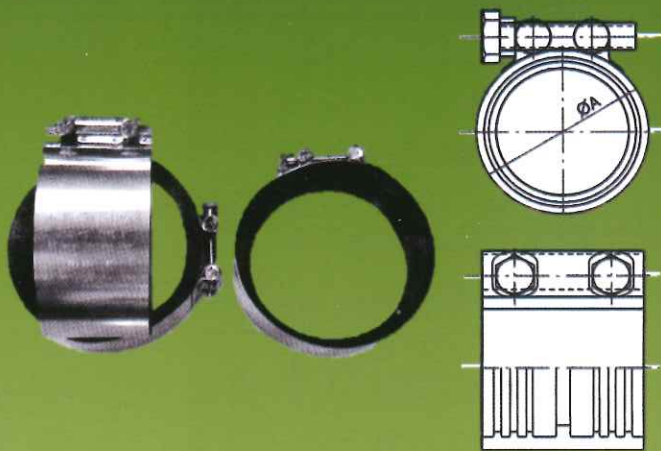


'PPL' Hubless Cast Iron Pipes (ISO 6594:2006)



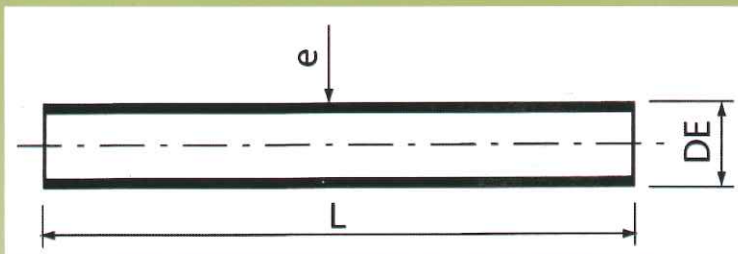
'PPL' Hubless Cast Iron Fittings (ISO 6594:2006)

'PPL' Stainless Steel Coupling (300 Series Type B)



Diameter	
Imperial (Inch)	Metric (mm)
2	50
3	75
4	100
6	150
8	200

'PPL' Hubless Cast Iron Pipes

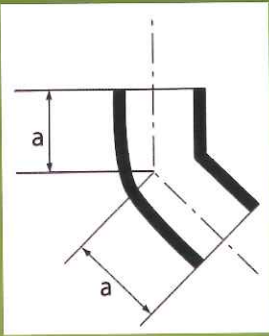


Symbol :

Tolerance on L : $\pm 20\text{mm}$

Diameter (mm)			Wall Thickness, e (mm)		Pipe Length, L (mm)	Approximately Pipe Weight for 3m L, M (kg)
Nominal	External, DE	Tolerance	Nominal	Minimum		
50	58.00	+2.00 ; -1.00	3.50	3.00	3000.00	13.00
75	83.00	+2.00 ; -1.00	3.50	3.00	3000.00	18.90
100	110.00	± 2.00	3.50	3.00	3000.00	15.20
150	160.00	± 2.00	4.00	3.50	3000.00	42.20
200	210.00	± 2.50	5.00	4.00	3000.00	69.30

'PPL' 45° Hubless Cast Iron Bend



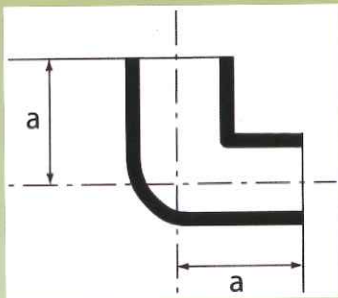
Symbol :



Tolerance on
a : $\pm 5\text{mm}$

Nominal Diameter (mm)	Length, a (mm)	Wall Thickness, e (mm)		Approximately Weight, M (kg)
		Nominal	Minimum	
50	50.00	4.20	3.50	0.50
75	60.00	4.20	3.50	1.00
100	70.00	4.20	3.50	3.50
150	90.00	5.30	4.00	4.60
200	110.00	6.00	4.50	6.20

'PPL' 88° Hubless Cast Iron Bend



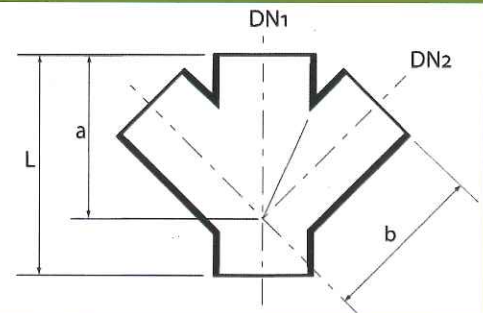
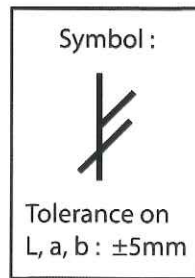
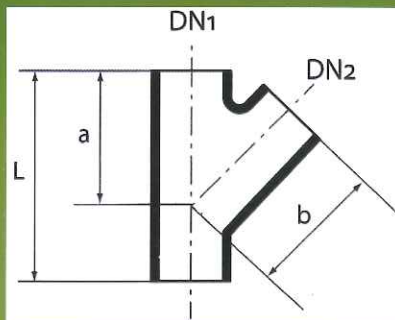
Symbol :



Tolerance on a : $\pm 5\text{mm}$

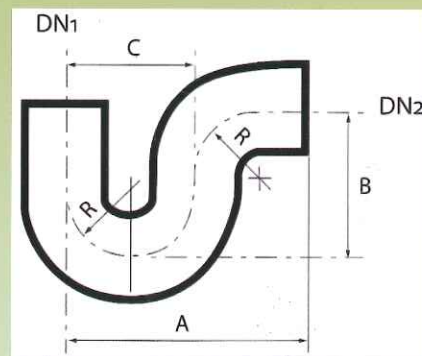
Nominal Diameter (mm)	Length, a (mm)	Wall Thickness, e (mm)		Approximately Weight, M (kg)
		Nominal	Minimum	
50	50.00	4.20	3.50	0.70
75	60.00	4.20	3.50	1.40
100	70.00	4.20	3.50	3.70
150	90.00	5.30	4.00	4.90
200	110.00	6.00	4.50	8.80

'PPL' 45° Hubless Cast Iron Y Single and Double Branches



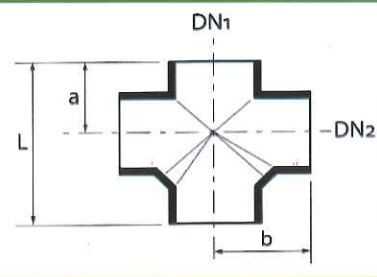
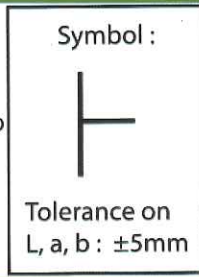
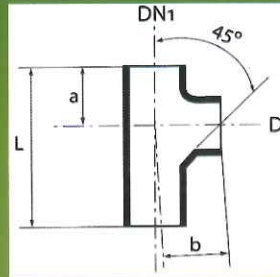
Nominal Size		Length (mm)		
DN1	DN2	L	a	b
50	50	160.00	115.00	115.00
75	50	180.00	135.00	135.00
75	75	215.00	155.00	155.00
100	50	185.00	150.00	150.00
100	75	220.00	170.00	170.00
100	100	260.00	190.00	190.00
150	100	280.00	225.00	225.00
150	150	355.00	265.00	265.00
200	150	375.00	300.00	300.00
200	200	455.00	340.00	340.00

'PPL' Hubless Cast Iron P-Trap



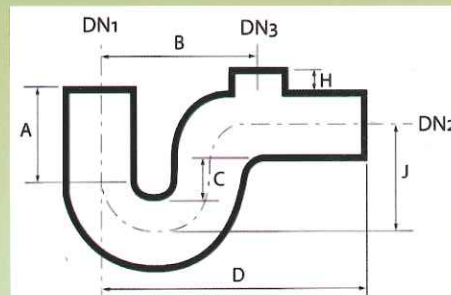
Nominal Size		Length (mm)			
DN1	DN2	A	B	C	R
50	50	150.00	105.00	77.00	45.00
75	75	194.00	134.00	115.00	64.00
100	100	220.00	118.00	130.00	70.00

'PPL' 88° Hubless Cast Iron Sanitary T Single and Double Branches



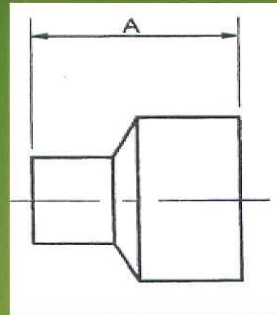
Nominal Size		Length (mm)		
DN1	DN2	L	a	b
50	50	145.00	65.00	75.00
75	50	155.00	73.00	90.00
75	75	180.00	85.00	95.00
100	50	170.00	75.00	105.00
100	75	190.00	88.00	115.00
100	100	220.00	105.00	115.00
150	50	200.00	100.00	140.00
150	75	220.00	100.00	140.00
150	100	245.00	115.00	145.00
150	150	295.00	145.00	155.00
200	100	270.00	126.00	175.00
200	150	325.00	152.00	185.00
200	200	365.00	180.00	180.00

'PPL' Hubless Cast Iron P-Trap With Vent



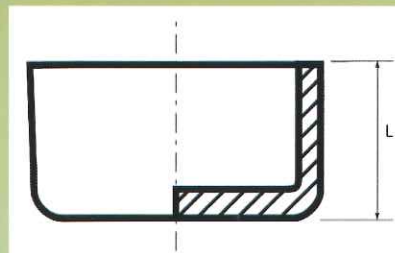
Nominal Size			Length (mm)					
DN1	DN2	DN3	A	B	C	D	J	H
100	75	50	110.00	240.00	45.00	361.00	140.00	55.00
100	100	50	105.00	230.00	10.00	340.00	125.00	50.00

'PPL' Hubless Cast Iron Reducer



Nominal Size		Length (mm)
DN1	DN2	A
75	50	80.00
100	50	80.00
100	75	90.00
150	75	100.00
150	100	105.00
200	100	115.00
200	150	125.00

'PPL' Hubless Cast Iron End Cap



Diameter (mm)	Length (mm)
Nominal	L
50	30.00
75	35.00
100	40.00
150	50.00
200	60.00

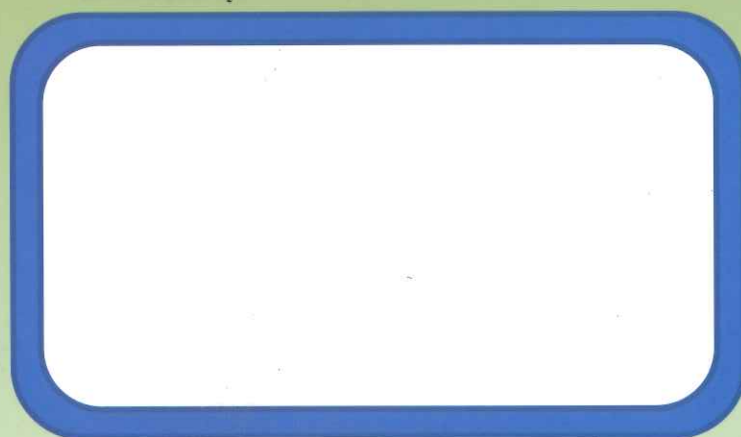
Item No.	Description				
	Properties & Conditions	Asbestos Cement	SWR PVC Pipes	Sand Cast C.I. Pipes	'PPL' C.I. Pipes
1	Impact Strength	Low	Minimum	Good	High Strength
2	Durability	1 ~ 4 Years	4 ~ 5 Years (After Which It Becomes Brittle)	20 Years	Lifelong
3	Inside Bore & Finishing	Little Smooth	Smooth	Rough	Very Smooth
4	Choking	Frequent Choking	No Choking	Frequent Choking	No Choking
5	Maintenance	Frequent Maintenance	Less Maintenance	Frequent Maintenance	No Maintenance
6	Repair	Unable To Repair	Unable To Repair	Not Easy To Repair	No Repair Required
7	Installation Time	High	Low	High	Minimum
8	Installation Convenience	Ok	Ok	Ok	Easy
9	Conforms To International Standards	No	No	No	DIN / ISO / CISPI / ASTM
10	Resistance To Fire & Heat	Low	Very Low	Good	Good
11	Thermal Expansion	High	High	Low	Low
12	Noise Suppression	Low	Low	Good	Superior
13	High Rigidity	Low	Low	Good	Superior
14	Against Corrosion	Good	Good	Low	Good (Coated With Bitumen)
15	Others Joint Connection To PVC / Cast Iron or Others Materials	Ok	Good	Ok	Good
16	Pressure Suppression	Ok	Ok	Ok	Good
17	Hot Water Resistance	Ok (Below 60°C)	Ok (Below 60°C)	Good (Below 80°C)	Good (Below 80°C)
18	Prevention Of Black Smoke Arise During Fire	No	No	Yes	Yes
19	Resale Value	No	No	Yes	Yes



SIRIM

Cert. No. : PC001337 CI Pipes
Cert. No. : PC001336 CI Fittings

Distributed by:



Revision 00_10-06-2014