

TATOS

PRE-MIX CONCRETE
LTD

PRECAST CONCRETE PIPES OGEE JOINT CLASS 100D





Tatos Reinforced Concrete Pipes, lasts longer... ...than just any concrete pipe.

Tatos Premix fully automated concrete pipe machine for high-output production in first-class product quality.

Its counter-rotating, roller-head, compaction tools compact the concrete and are controlled by an advanced, high-tech control system.

Production of concrete pipes compliant with all international standards.



CONTENTS

January 2015



Introduction

1



Technical Information (Pipes)

2



Technical Information (Manholes)

7



Technical Information (Rings)

9



Introduction

Tatos Pre-Mix Concrete is the leading manufacturer of steel reinforced concrete pipes (SRCP) and associated precast products in Zambia.

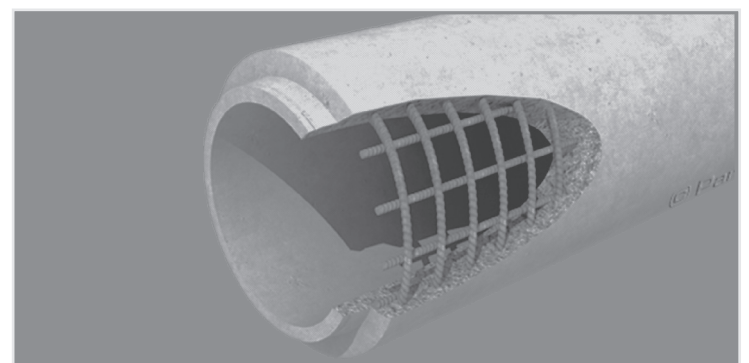
Available in a wide range of diameters, lengths and with varying strengths, Tatos concrete pipes have a proven track record and are designed for wide applications including drainage, sewage, water supply and irrigation.

Only Tatos' Precast Reinforced Pipe products offers you the strength and durability you expect from a concrete pipe. This is so, because we are the only company in Zambia that make these pipes through a full automated machinery process with high VIBRATION force to give the pipes the strength you expect. In addition, our pipes are steel reinforcement to add even more load resistance. Because of this strength, our pipes are applicable on commercial and industrial projects for grounds that will experience greater loads and traffic.

Using concrete is the most environmentally friendly and cost effective material that can be used compared to other materials. It provides a wide range of alternative bedding solutions that can offer:

- [+] Increased cost savings**
- [+] Quicker installation**
- [+] Lower environmental impact**

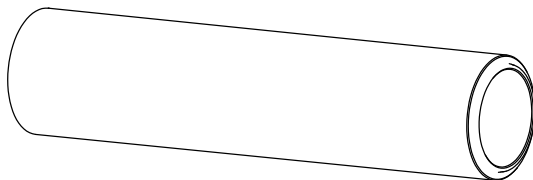
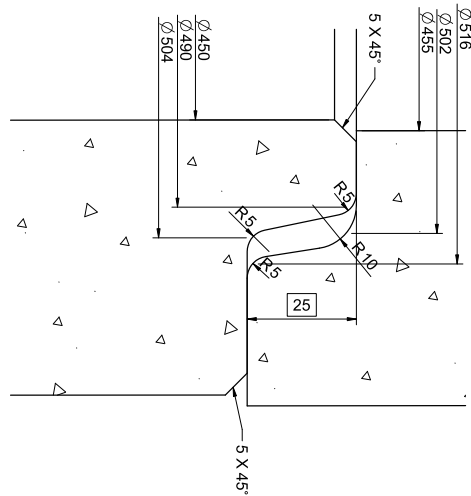
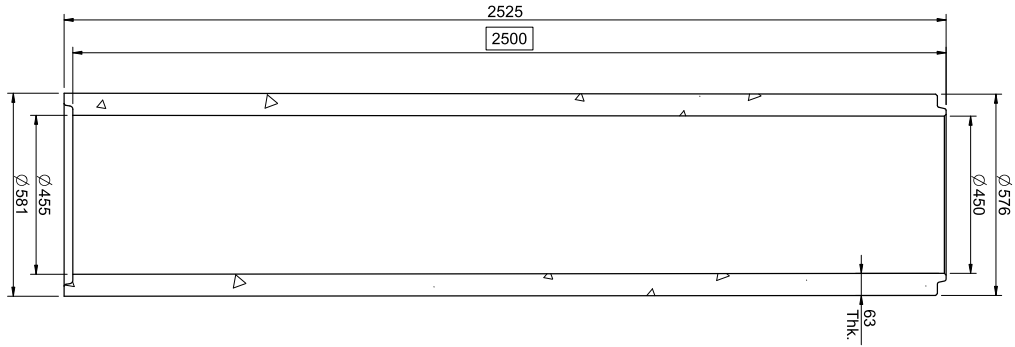
All precast concrete pipes manufactured by Tatos conform to OG class 100D in accordance with the industrial control recommendations.



Technical Specifications Pipes

450mm Pipe (2.5M)

SECTION A-A



REV.	DESCRIPTION	DATE	REVISED BY
SCALE: N T S	PART DESCRIPTION: Ø450 MM Pipe (2.5 M)		
<p>NOTE: ALL SHARP CORNERS ARE TO BE ROUNDED ALL DIMENSIONS ARE IN MM</p> <p>SURFACE AREA ISQ. FT. 89.85 ft²</p> <p>WEIGHT KG. 586.016 kg</p> <p>DESIGNED BY: S B P</p> <p>DRAWN BY: S B P</p> <p>CHECKED BY: K K S</p> <p>APPROVED BY: V M S</p> <p>REVIEWED BY: V M S</p> <p>DATE: 30/12/2013</p>			
<p>General Tolerances: ISO 2768-mS</p> <p>MATERIAL: concrete</p> <p>QUANTITY: 01 No.</p> <p>NAME: SIGN</p>			

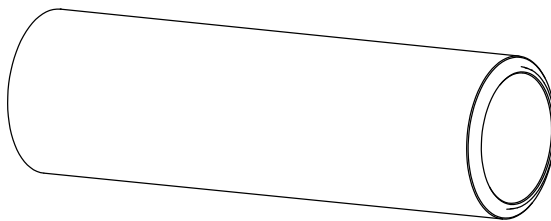
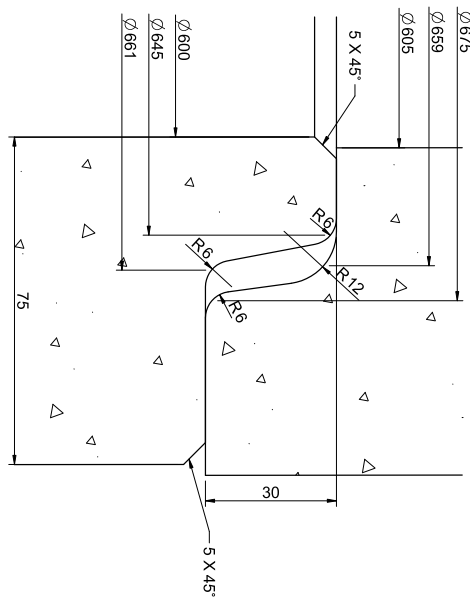
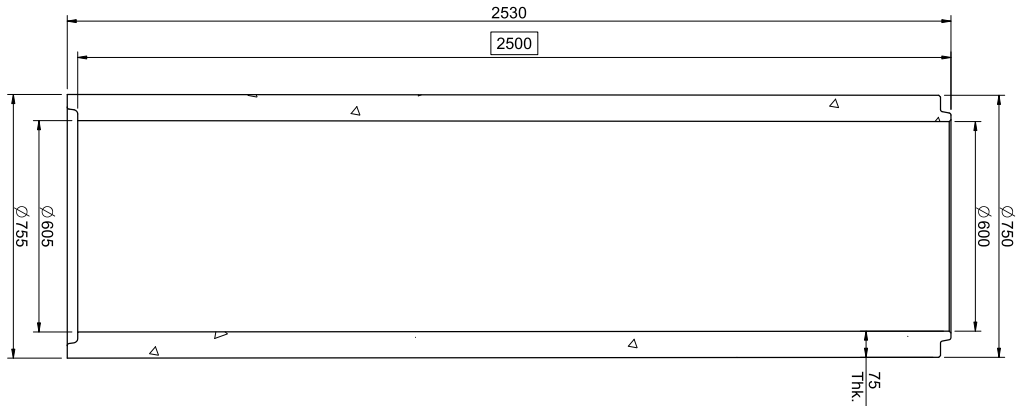
Nominal Diameter(mm)	Nominal Length (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass (Kg/Unit)	Socket Depth (S mm)	Proof Load (kN/m)
450	1,250 - 2,500	450	576	63	600	25	55

Technical Specifications Pipes

600mm Pipe (2.5M)

3

SECTION A-A



REV.	DESCRIPTION	DATE	REVISED BY
SCALE: N T S			
	DESCRIPTION: Ø600 MM Pipe (2.5 M)		

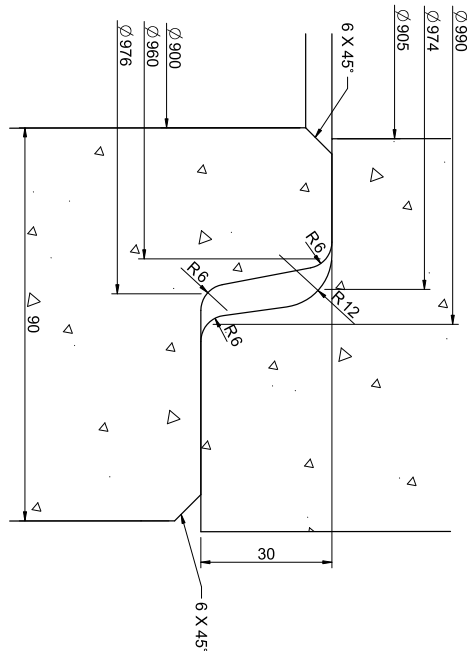
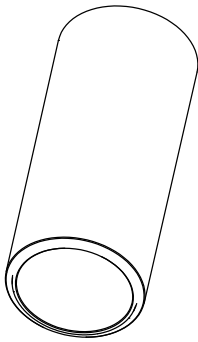
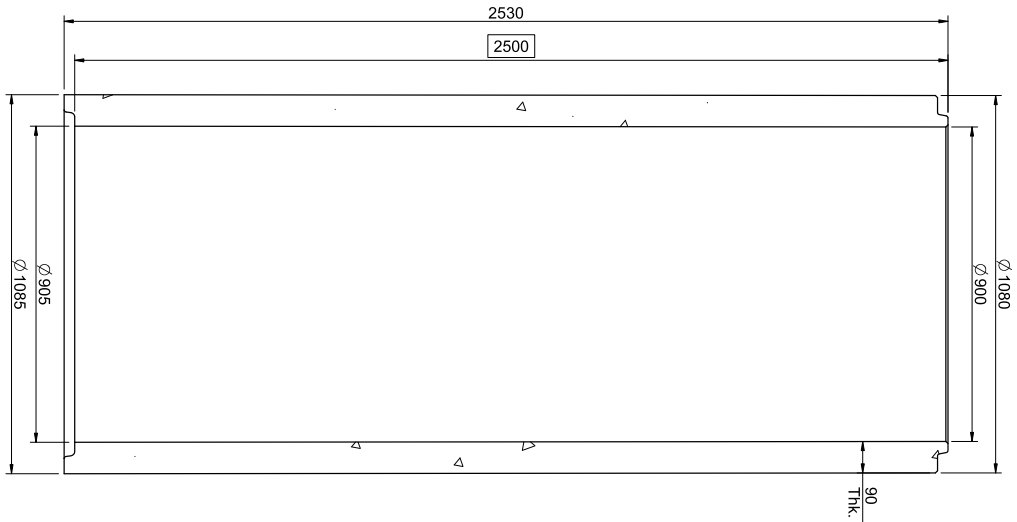
NOTE: ALL DIMENSIONS ARE TO BE REMOVED	General Tolerances: ISO 2768-mS
MATERIAL TREATMENT:	MATERIAL: concrete
SURFACE AREA (sq. ft)	QUANTITY: 01 No.
118.79 ft²	WEIGHT (kg): 916.748 kg
TOLERANCES UNLESS OTHERWISE MENTIONED, ARE TO BE CONSIDERED AS OPEN TOLERANCES AS PER IS STANDARD NO. 2102 - 1993	DESIGNED BY: S B P
	CHECKED BY: K K S
	APPROVED BY: V M S
	REVIEWED BY: V M S
	DATE: 30/12/2013

Nominal Diameter(mm)	Nominal Length (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass (Kg/Unit)	Socket Depth (S mm)	Proof Load (kN/m)
600	1,250 - 2,500	600	750	75	916	30	69

Technical Specifications Pipes

900mm Pipe (2.5M)

SECTION A-A



REV.	DESCRIPTION	DATE	REVISED BY
SCALE: N T S	PART DESCRIPTION: Ø900 MM Pipe (2.5 M)		
<p>NOTE: ALL SHARP CORNERS ARE TO BE ROUNDED</p> <p>ALL DIMENSIONS ARE IN MM</p> <p>General Tolerance: ± ISO 2768-mS</p>			
MATERIAL TREATMENT:		MATERIAL	concrete
SURFACE AREA (sq ft)		QUANTITY	01 No.
175.01 ft²		WEIGHT (kg)	1611.825 kg
TOLERANCES UNLESS OTHERWISE MENTIONED, ARE TO BE CONSIDERED AS OPEN TOLERANCES AS PER IS STANDARD NO 2102 - 1993		NAME	SIGN
		DESIGNED BY:	S B P
		CHECKED BY:	K K S
		APPROVED BY:	V M S
		REVIEWED BY:	V M S
		DATE	30/12/2013

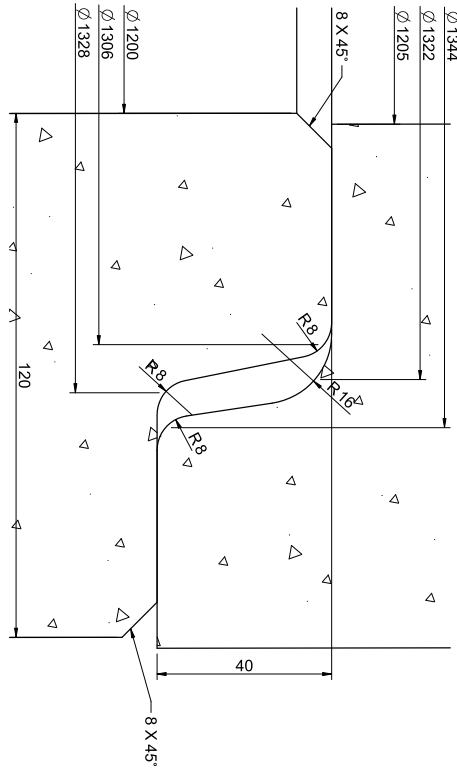
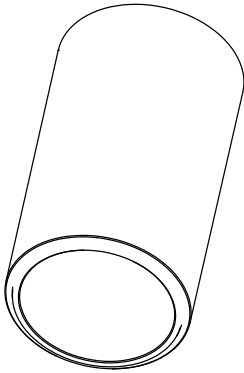
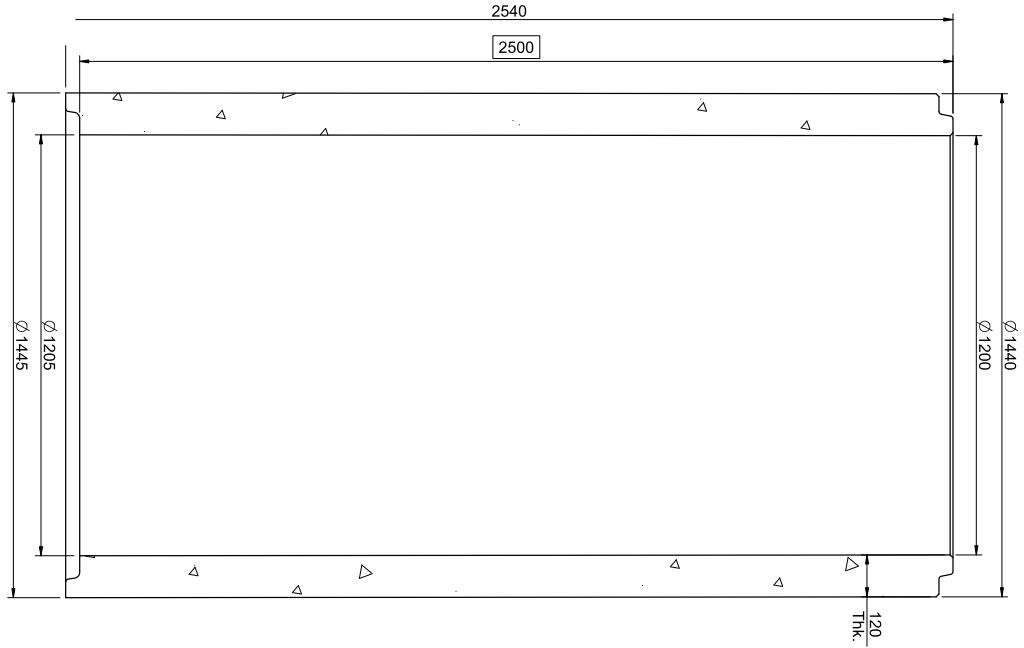
Nominal Diameter(mm)	Nominal Length (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass (Kg/Unit)	Socket Depth (S mm)	Proof Load (kN/m)
900	1,250 - 2,500	900	1,080	90	1,790	30	99

Technical Specifications Pipes

1,200mm Pipe (2.5M)

5

SECTION A-A



REV.	DESCRIPTION	DATE	REVISED BY
SCALE: N T S			
PART DESCRIPTION: Ø1200 MM Pipe (2.5 M)			

NOTE: ALL SHARP CORNERS ARE TO BE ROUNDED ALL DIMENSIONS ARE IN MM	General Tolerance: ± ISO 2768-mS
MATERIAL TREATMENT:	MATERIAL: concrete
QUANTITY: 01 No.	
SURFACE AREA (sq ft): 236.42 ft²	WEIGHT (kg): 2863.062 kg
TOLERANCES UNLESS OTHERWISE MENTIONED, ARE TO BE CONSIDERED AS OPEN TOLERANCES AS PER IS STANDARD NO. 2102 - 1993	DESIGNED BY: S B P
	DRAWN BY: S B P
	CHECKED BY: K K S
	APPROVED BY: V M S
	REVIEWED BY: V M S
	DATE: 30/12/2013

Nominal Diameter(mm)	Nominal Length (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass (Kg/Unit)	Socket Depth (S mm)	Proof Load (kN/m)
1,200	1,250 - 2,500	1,200	1,440	120	3,050	40	132



Manhole Components & Rings

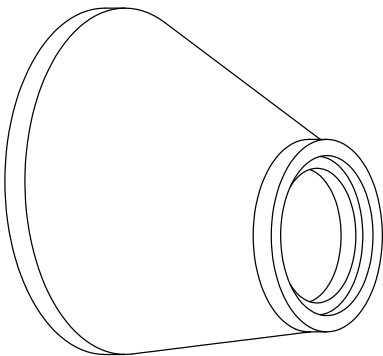


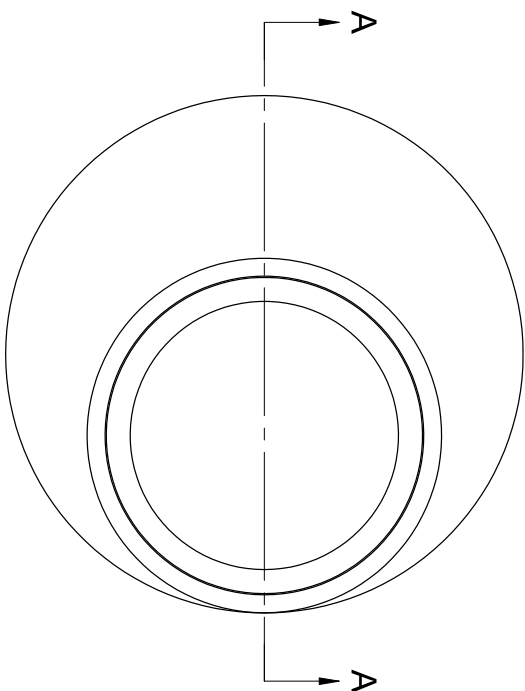
For the first time in Zambia, Tatos introduces Manhole Components & Rings allowing easy access to underground piping, meters and facilities. Tatos provides sealed manhole systems that can be built to specification to include a variety of important features. From complex jobs to simple solutions, our manholes are used in a variety of applications.

Tatos further produces a broad range of rings to seal the joints of all our pipe configuration, joint design or size.

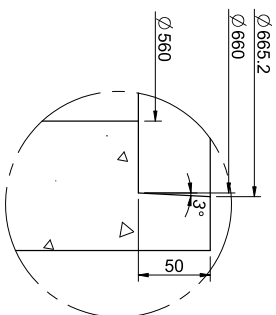
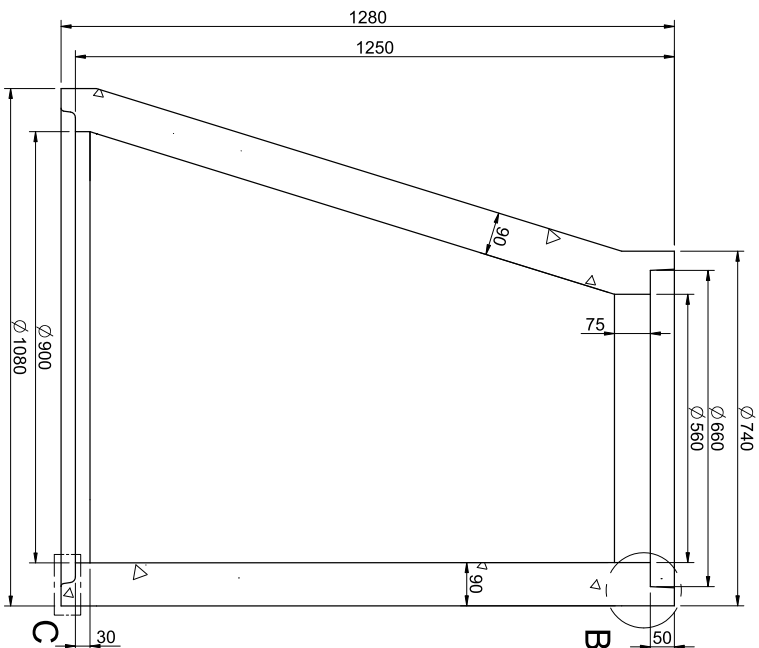
Quality
concrete
products for
long term
use!



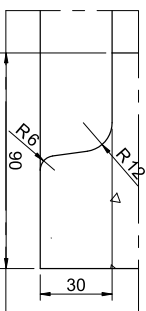
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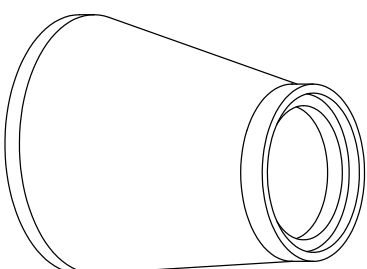
SECTION A-A



DETAIL B



DETAIL C



REV.	DESCRIPTION	DATE	REVISED BY
SCALE: N T S	Manhole (Top Side) Ø900mm		

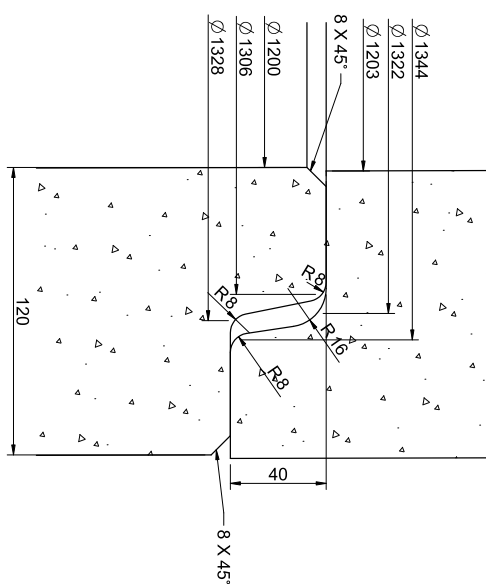
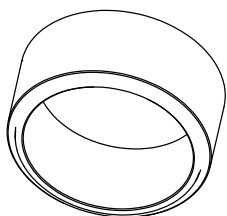
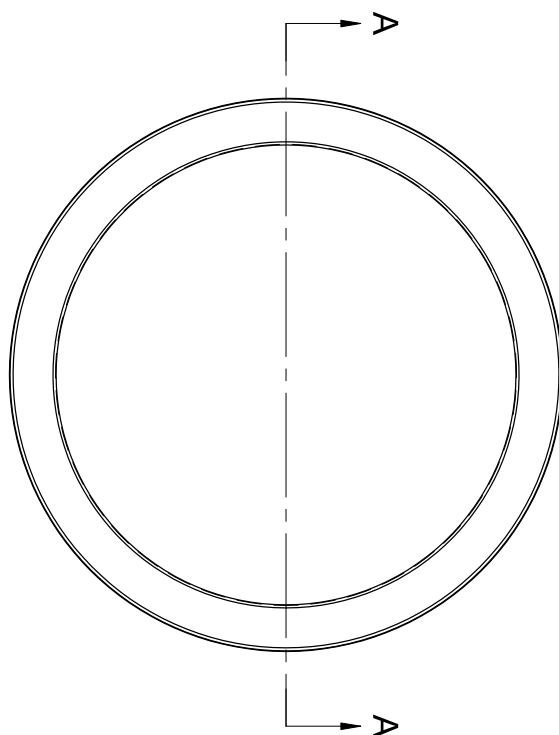
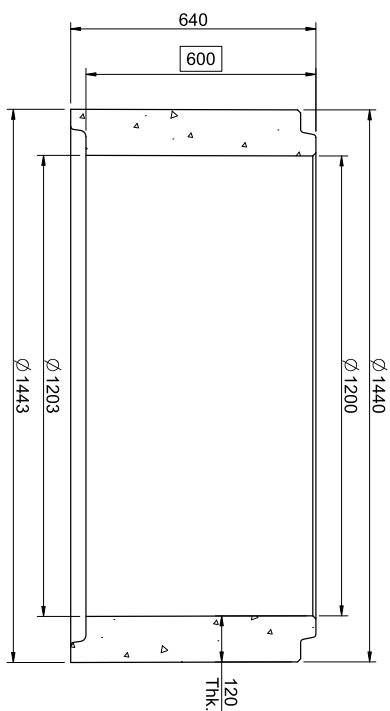
NOTE: ALL SHARP CORNERS ARE TO BE ROUNDED. ALL DIMENSIONS ARE IN mm.		General Tolerance: " ISO 2768-m "	
MATERIAL TREATMENT:		QUANTITY:	01 No.
SURFACE AREA (sq. ft)		WEIGHT (kg)	671.676 kg
TOLERANCES UNLESS OTHERWISE MENTIONED ARE TO BE CONSIDERED AS OPEN TOLERANCES AS PER IS STANDARD NO: 2102 - 1993		DESIGNED BY:	NAME: SIGN
		DRAWN BY:	S B P
		CHECKED BY:	D V P
		APPROVED BY:	V M S
		REVIEWED BY:	V M S
		DATE:	06/12/2012


DRAWING NO.:-	REV.:-
M1M120900	
REF. DRAWING NO.:-	

Technical Specifications (Rings) 1,200mm Riser (H600mm)

9

SECTION A-A

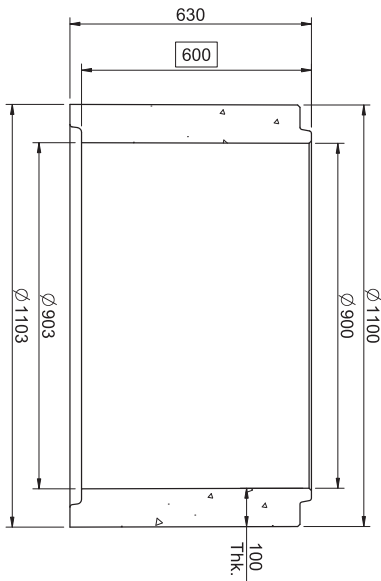
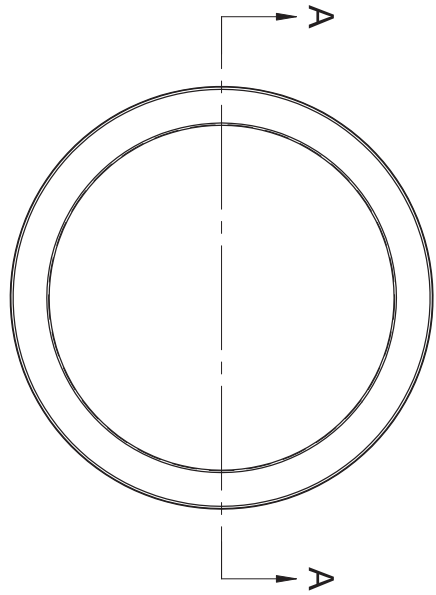


REV.	DESCRIPTION		DATE
SCALE :	N T S	PART DESCRIPTION :->	
	Ø1200 MM Riser (H-600 MM)		

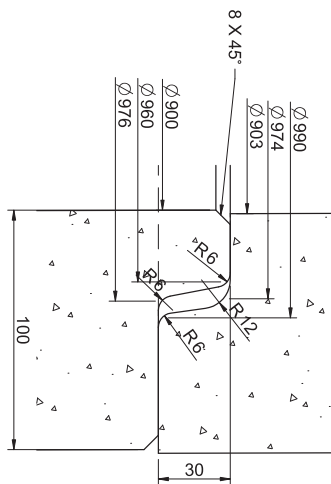
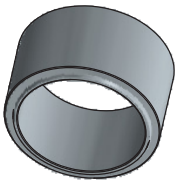
NOTE: ALL SHARP CORNERS ARE TO BE REMOVED. ALL DIMENSIONS ARE IN MM.		General Tolerance: " ISO 2768-m "	
MATERIAL TREATMENT: ->		MATERIAL:	concrete
SURFACE AREA (sq. ft)		QUANTITY:	01 No.
66.43 ft²		WEIGHT (kg)	683.788 kg
TOLERANCES UNLESS OTHERWISE MENTIONED ARE TO BE CONSIDERED AS OPEN TOLERANCES AS PER IS STANDARD NO: 2102 - 1993		DESIGNED BY:	NAME: SIGN
		DRAWN BY:	S B P
		CHECKED BY:	K K S
		APPROVED BY:	V M S
		REVIEWED BY:	V M S
		DATE:	18/06/2014




DRAWING NO: ->	REV: ->
PIR120H4	
REF: DRAWING NO: ->	

Technical Specifications (Rings) 900mm Riser (H600mm)



SECTION A-A



									
REV.		DESCRIPTION		DATE		REVISED BY			
SCALE :		N T S		PART DESCRIPTION: ->					
		Ø900 MM Riser (H-600 MM)							
DRAWING NO. :-		 TATOS PRE-MIX CONCRETE						DRAWN BY: S B P	
PIR090H4		SHEET NO.:- 1 OF 1		REV.:		CHECKED BY: K K S			
REF. DRAWING NO.:-				APPROVED BY: V M S		APPROVED BY: V M S			
				DATE:		18/06/2014			

NOTE: ALL SHARP CORNERS ARE TO BE ROUNDED. ALL DIMENSIONS ARE IN MM.		General Tolerance: " ISO 2768-m "	
MATERIAL TREATMENT: -		MATERIAL:	concrete
SURFACE AREA (sq. ft)		QUANTITY:	01 No.
48.57 sq. ft		WEIGHT (kg)	432.431 kg
TOLERANCES UNLESS OTHERWISE MENTIONED ARE TO BE CONSIDERED AS OPEN TOLERANCES AS PER IS STANDARD NO: 2102 - 1993		DESIGNED BY:	NAME: SIGN
		DRAWN BY:	S B P
		CHECKED BY:	K K S
		APPROVED BY:	V M S
		REVIEWED BY:	V M S





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Cell: +260 975 000500

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