



# **FRCPIPE** **PRODUCT** **INFORMATION**



THE AUSTRALIAN PIPE COMPANY

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# INTRODUCTION

*It's no secret, that to keep pace with our industry's ever tightening deadlines, we need to think smart. And today the smart thinking is towards modern concrete pipe design and construction.*

## **Smarter Construction**

This is about cost-effective construction through the smart combination of products, systems and processes. And it can be achieved without making sacrifices. We strongly believe that our proven products and systems enable faster, efficient and more cost effective construction.

Not only is FRC Pipe concrete pipe classified as a Reinforced Concrete Pipe (RCP) - it is longer and lighter than conventional steel RCP. Combine these benefits with a comprehensive range of fittings and accessories that also improve efficiency and reduce construction times and you have a system that is 'Smart'.

## **Smarter Partner**

A program designed to support our customers at all levels.

This includes our customer service commitment that ensures we provide easy access to the people and information you need.

## **Smarter Design**

It's our way of assisting designers achieve a sustainable and cost-effective outcome for a project. From providing tools that make specification easier to supplying some of the worlds smartest concrete products.

Products that deliver higher flow capacities, lighter and longer pipe lengths and systems that provide innovative cost effective solutions.

Original, innovative stormwater solutions like SlimDrain™, Aquifer™, SpoonDrain™ and Super-Tite™ drainage systems provide design solutions for many unique project challenges.

**Stormwater**  
*Pipes & Fittings*



# **FRC™ Pipe Overview**

## **FRC™ Pipe reinforced concrete pipe is the smartest pipe on the block.**

*Built to meet a 100 year service life and with tens of thousands of kilometers of pipe laid, FRC™ Pipe leads the market in smart pipe technology. This success has led to the release of FRC™ Pipe+ and FRC™ Pipe R+. Smart pipes designed to meet the needs of a diverse range of projects, applications and installation environments.*

### **Fast.**

At 4 metres long FRC Pipe offers significant installation speed advantages over shorter conventional SRC pipes. And FRC Pipes' reduced weight per metre delivers easier handling and greatly improved efficiency during installation.

### **Smart.**

The core DNA of the FRC Pipe product range is based upon FRC Pipes' smart technologies and thinking. RCPA's unique concrete composite and innovative manufacturing process has allowed us to deliver one of the worlds smartest concrete products. It's this smart thinking that separates us from our competitors.

### **Proven.**

For decades the FRC Pipes have proven themselves in a diverse variety of projects and installation environments. With thousands of kilometres of pipe in service, our pipes strength, durability and economic benefits are well documented and recognised by industry professionals.

### **Strong.**

Designed to meet a 100 year service life, the range of FRC Pipe concrete pipes are recognised for their impressive strength capacity. The minimum test load of fully saturated FRC Pipe concrete pipes is, conservatively, at least the same as that for dry SRC pipe manufactured in accordance with AS4058.



# FRCPIPE

In-wall joint

**FRC Pipe concrete pipes** are manufactured using a high strength, light weight reinforced concrete composite. FRC Pipe is a high performance stormwater drainage pipe ideal for road infrastructure in residential and industrial subdivisions. Also ideal for commercial property developments where a high performance below ground drainage system is required.

**Precision Joint Technology** provides a highly accurate machined joint, with allowable variation of less than 1mm on all pipe sizes. This smart technology allows for easy pipe.

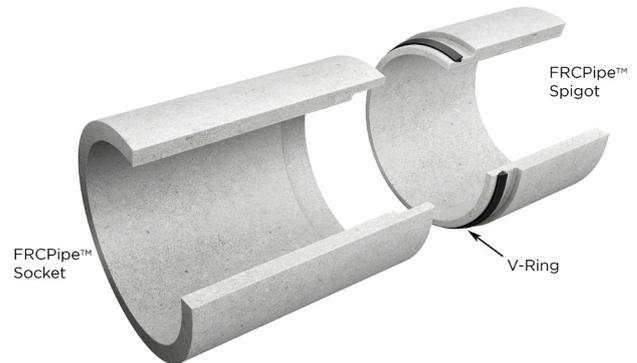
installation and can be combined with other jointing options for a smart solution to challenging situations.

The standard precision rubber ring joint enables:

- Easy pipe assembly - low insertion forces mean less effort to equipment and strain to join pipelines;
- Flush pipe exterior increases ease of laying;
- Rubber v-ring seal - resistant to tree root and ground water ingress.

STANDARDS	
Quality	ISO9001:2015
Design	AS/NZS3725:2007
Manufacture	AS4139:2003

**Note:** Nominal length 3.96m.



## TECHNICAL SPECIFICATIONS (FRC Pipe REINFORCED CONCRETE PIPES)

Nominal Pipe Size DN (mm)	Strength Class (AS3725)	Product Code	Pipe I.D. (mm)	Pipe O.D. (mm)	Pipe Wall Thickness (mm)	Finished Weight (kg)
225	2	403124	233	272.5	19.75	105
	4	403133		274	20.5	110
300	2	403139	302	346	22	151
	3	403147		347	22.6	154
	4	403151		352	25.1	173
375	2	403159	378	427	25	209
	3	403166		430	26.15	222
	4	403170		437	29.65	254
450	2	402432	455	512	29	292
	3	402450		517	31	319
	4	401263		527	36	373
525	2	402364	531	593	30.5	361
	3	402382		604	36	429
	4	401380		616	42	505
600	2	402386	608	677	34	466
	3	402404		690	41.5	559
	4	401483		703	48	653
675	2	402408	673	751	39.5	585
	3	402443		768	48	720
	4	401574		785	56	857
750	2	402426	719	802	41.5	660
	3	402441		820	51	812
	4	401609		837	59	958



# FRC PIPE+

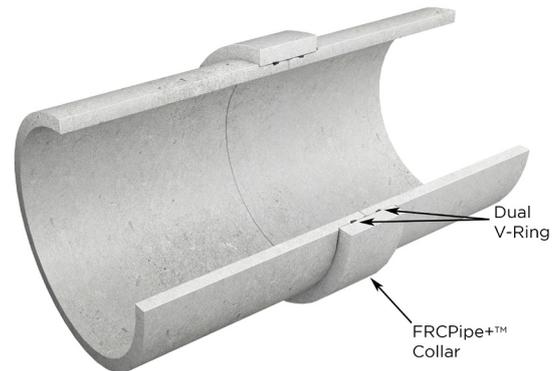
## Dual Rubber Ring Joint with Collar

**FRC Pipe+ concrete pipes** are manufactured using a high strength, light weight reinforced concrete composite. This high performance stormwater drainage pipe is ideal for road infrastructure in residential and industrial subdivisions. Also ideal for commercial property developments where a high performance, below ground drainage system is required. FRC Pipe+ has the same core DNA as FRC Pipe with the addition of RCPA's Advanced Joint Technology.

**Advanced Joint Technology** is a robust dual v-ring joint utilising a separate collar to provide a high strength connection in addition to the accurately machined joint. This provides another construction option where additional joint strength is required.

The advanced rubber ring joint enables:

- Easy pipe assembly – low insertion forces mean less effort to equipment and strain to join pipelines;
- Dual v-ring collared joint;
- High strength joint.



STANDARDS	
Quality	ISO9001:2015
Design	AS/NZS3725:2007
Manufacture	AS4139:2003
Compliance	NSW RMS - R11 Stormwater Drainage

**Note:** Nominal length 4m. All Pipes are supplied with rubber rings and FRCLube. RCPA reserves the right to supply 3.5m or 3.85m length pipes where our standard 4m lengths are not available.

### TECHNICAL SPECIFICATIONS (FRC Pipe REINFORCED CONCRETE PIPES)

Nominal Pipe Size DN (mm)	Strength Class (AS3725)	Product Code	Pipe I.D. (mm)	Pipe O.D. (mm)	Collar O.D. (mm)	Pipe Wall Thickness (mm)	Finished Weight (inc. collar)
225	2	401687	233	273	305	20	113
	4	401691		274		21	118
300	2	401696	302	346	392	22	163
	3	401699		347		22	166
	4	401700		352		25	190
375	2	401705	378	427	476	25	225
	3	401708		430		26.5	238
	4	401709		437		30	270
450	2	401240	455	512	581	29	318
	3	401257		517		31	345
	4	404230		527		36	399
525	2	401358	531	593	670	30.5	395
	3	401375		604		36	463
	4	404231		616		42	539
600	2	401462	608	677	754	34.5	506
	3	401479		690		41.5	599
	4	404232		703		48	693
675	2	404232	673	751	835	39.5	637
	3	401569		768		48	777
	4	404233		785		56	909
750	2	401596	719	802	885	41.5	714
	3	401605		820		51	866
	4	404234		837		59	1012



# RCPA FRC PIPE R+

## Rigid Pipe with Collar

**FRC Pipe R+ concrete pipes** were created to meet specific rigid pipe specifications for the Queensland Department of Transport and Main Roads and Vicroads and is manufactured using a high strength, light weight reinforced concrete composite. This high performance stormwater drainage pipe is ideal for road infrastructure as well as residential and industrial subdivisions.

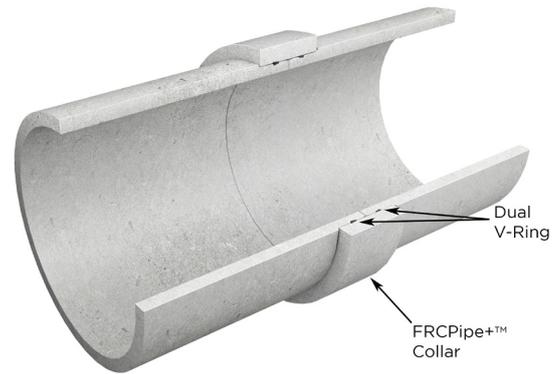
STANDARDS	
Quality	ISO9001:2015
Design	AS/NZS3725:2007
Manufacture	AS4139:2003
Compliance	QLD Main Roads - MRTS26 VicRoads - Section 701

**Note:** Nominal length 4m. All Pipes are supplied with rubber rings and VLube. RCPA reserves the right to supply 3.5m or 3.85m length pipes where our standard 4m lengths are not available.

**Advanced Joint Technology** is a robust dual v-ring joint utilising a separate collar to provide a high strength connection in addition to the accurately machined joint. This provides another construction option where additional joint strength is required.

The advanced rubber ring joint enables:

- Easy pipe assembly – low insertion forces mean less effort to equipment and strain to join pipelines;
- Dual v-ring collared joint;
- High strength joint.



TECHNICAL SPECIFICATIONS (FRC Pipe REINFORCED CONCRETE PIPES)						
Nominal Pipe Size DN (mm)	Strength Class (AS3725)	Product Code	Pipe I.D. (mm)	Pipe O.D. (mm)	Pipe Wall Thickness (mm)	Finished Weight (kg)
225	2	404446	233	272.5	20	109
	4	404447		287	27	152
300	2	404448	302	348	22.5	164
	3	404449		359	28.5	205
	4	404450		368	32	239
375	2	404451	378	432	27	239
	3	404452		445	34	298
	4	404453		456	39	350
450	2	404454	455	521	33.5	353
	3	404455		535	40	430
	4	404456		548	47	504
525	2	404457	531	608	38	471
	3	404458		627	48	594
	4	404459		641	55	686
600	2	404460	608	695	44	615
	3	404461		715	54	761
	4	404462		732	62	890
675	2	404463	673	771	49	770
	3	404464		794	61	957
750	2	404466	719	826	54	890



### Description

RCPA manufactures an extensive range of fittings which are intended to provide maximum flexibility in the design and installation of stormwater drainage systems.

### Application

As an integral part of the FRC Pipe stormwater drainage system, FRC Pipe fittings allow design flexibility and quick installation without sacrificing strength or durability.

### Features

FRC Pipe fittings allow a pipeline to:

- Change direction
- Join multiple lines
- Introduce branch lines
- Connect to other pipes with or without turnings.

This flexibility of use allows for considerable time savings during design and installation.

Cost of construction is also minimised, as the need for pits can be reduced or eliminated.

Bends, junctions and saddles are available in Class 2, while SuperTite™ to Unturned Adaptors and Unturned Couplings are available in both Class Two and Four.

Fittings can also be manufactured to meet individual project needs, including those in large sizes (ie: 525mm to 750mm).

**Note:** Contact RCPA on 1800 659 850 for delivery timeframes and terms and conditions.



## Unturned to Unturned Couplings

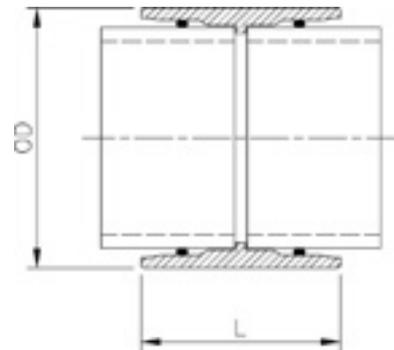
Pipe Diam. (mm)*	Product Code	Class	Dimensions (mm)		Approx. Mass (kg)
			O.D.	L	
225	401686	2	345	310	10
225	403013	4	345	310	14
300	401695	2	431	310	18
300	403014	4	431	310	19
375	401704	2	520	310	19
375	401902	3	520	310	20
375	402741	4	520	310	25
450	401779	2	618	310	26
450	401903	3	618	310	28
450	403629	4	618	310	34
525	403000	2	718	310	26
525	403010	3	718	310	36
525	403011	4	718	310	46
600	403001	2	802	310	35
600	401780	3	819	310	59
600	413003	4	819	310	59
675	403002	2	837	310	45

Provides a transition from cut pipe to cut pipe.

Installation details are the same as SuperTite™ to Unturned Adaptor. Unturned couplings are also used near pit connections to provide flexible pit joints that can accommodate differential settlement.

## Installation Details

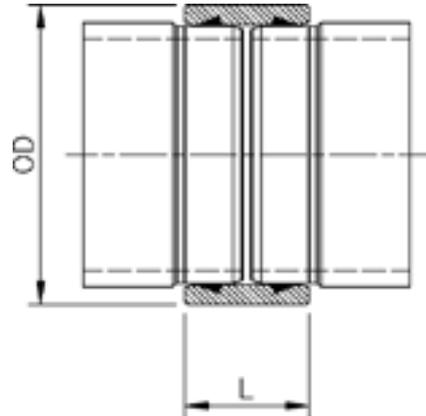
1. Cut the end of the pipe square with a dustless or wet masonry saw
2. Fit an O-ring to the cut pipe and roll up and down the barrel of the pipe to take the twist out of the ring. Position the ring as close as practical to the cut end of the pipe
3. Do not use lubricant as the O-ring must roll along the pipe and not slide
4. Position the adaptor squarely over the O-ring
5. Using a bar and block of timber push the adaptor squarely onto the pipe.



## SuperTite™ Coupling

SuperTite™ couplings are used as standard couplings for the SuperTite™ range of pipes and fittings. The SuperTite™ turning is a standard spigot on the pipe or fitting, with a SuperTite™ coupling used with dual nitrile V-rings to provide a high integrity connection.

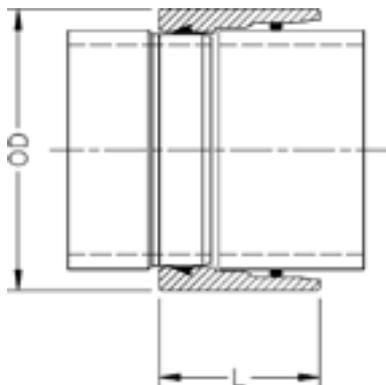
Pipe Diam. (mm)	Product Code	Dimensions (mm)		Mass (kg)
		O.D.	L	
225	400866	345	160	5
300	400987	431	160	7
375	401129	520	180	12
450	401252	618	180	15
525	401370	718	180	18
600	401474	802	180	21
675	401568	837	180	26
750	401604	881	180	29



## SuperTite™ to Unturned Adaptors

SuperTite™ to unturned adaptors are utilised when an installer needs to attach a fitting to a pipe that has been cut and no longer has the factory machined ends. Unturned adaptors are used with both SuperTite™ and FRC Pipe in underground applications.

SuperTite™ to unturned adaptors are not to be used in above ground suspended applications.

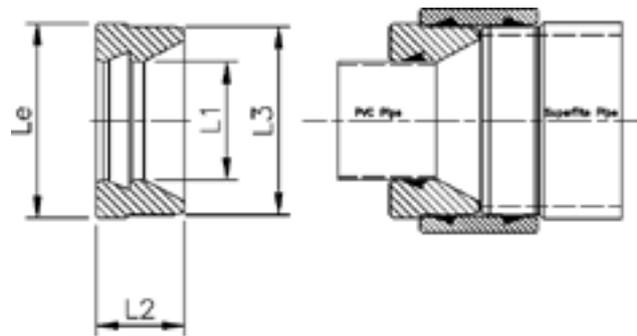


Pipe Diam. (mm)*	Product Code	Class	Dimensions (mm)		Approx. Mass (kg)
			O.D.	L	
225	400850	2	345	230	10
225	400886	4	345	230	12
300	400972	2	431	230	14
300	400986	3	431	230	14
300	401014	4	431	230	16
375	401114	2	520	240	20
375	401128	3	520	240	20
375	401154	4	520	240	21
450	401239	2	618	240	26
450	401251	3	618	240	26
450	401272	4	618	240	30
525	401357	2	718	240	34
525	403015	3	718	240	31
525	401388	4	718	240	37
600	403030	2	802	240	41
600	401473	3	802	240	37
600	404091	4	802	240	43
675	403017	2	837	240	41
675	404227	3	871	240	45

## SuperTite™ Reducer

Similar in design to the FRC Pipe Reducer, the SuperTite™ reducer allows change in diameter between SuperTite™ or PVC pipelines.

Reducer Size Pipe X Branch. (mm)	Product Code	Dimensions (mm)			
		Le	L1	L2	L3
225/150 PVC	400908	265	162	120	257
300/225	401085	350	252	120	336
300/225 PVC	401045	346	260	120	336
375/300	401203	431	340	120	415
450/375	401324	519	418	120	504
525/450	401434	603	507	120	584
600/525	401534	689	587	120	664



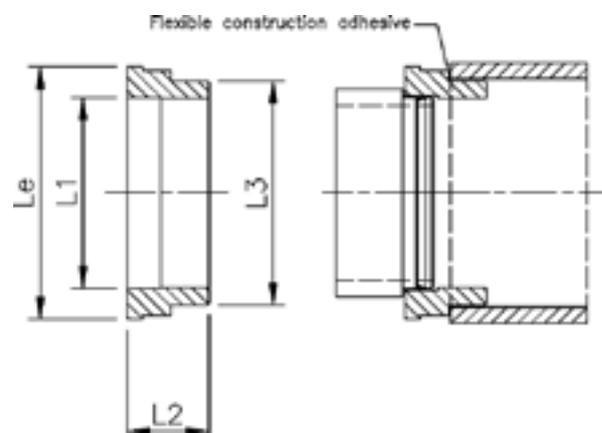
## FRC Pipe Reducer

FRC Pipe reducers are an economical method of changing the pipe size in stormwater lines, often eliminating the need for a pit. To reduce more than one diameter size the installer must use multiple reducers; for example to reduce from a 375mm pipe to a 225mm pipe the installer will require a 375mm to 300mm reducer and a 300mm to 225mm reducer - these reducers will fit inside each other.

### Installation Details

1. Fit the reducer into the socket end of the larger pipe using a bead of flexible construction adhesive
2. Fit the spigot end of the smaller diameter pipe with a rubber ring installed into the other end of the reducer

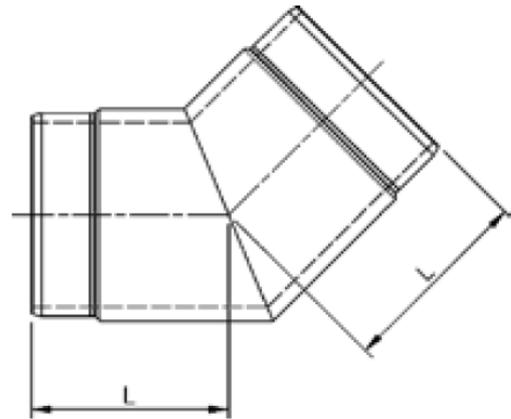
Pipe Diam. (mm)	Product Code	Dimensions (mm)			
		Le	L1	L2	L3
225/150 PVC	403121	235	163	70	228
300/225	403530	336	254	108	296
300/225 PVC	403122	305	252	70	298
375/300	403540	415	327	108	372
450/375	403541	495	407	108	452
525/450	403542	573	488	108	526
600/525	403543	653	567	108	602



### 45° Bend\*

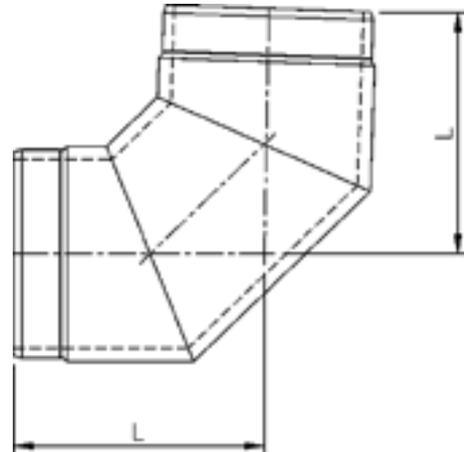
Allows the pipeline to change direction with FRC Pipe or SuperTite™ pipe systems.

Pipe Diam. (mm)	Product Code	Dimensions (mm) L	Approx. Mass (kg)
225	400916	248	11
300	401053	248	14
375	401171	298	28
450**	401291	298	41
525**	401402	348	61
600**	401511	348	77
675**	404090	398	109
750**	401628	398	124



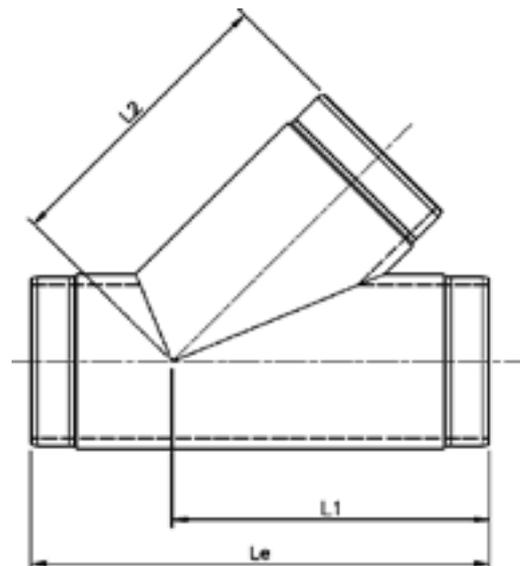
### 88° Bend\*

Pipe Diam. (mm)	Product Code	Dimensions (mm) L	Approx. Mass (kg)
225	400918	330	14
300	401055	395	24
375	401173	445	51
450**	401293	500	61
525**	401403	560	87
600**	401512	625	120
675**	404093	690	166
750**	401630	685	188



### Equal Slope Junction\*

Pipe Diam. (mm)	Product Code	Approx. Mass (kg)	Dimensions (mm)		
			Le	L1	L2
225	400936	700	485	500	25
300	401076	900	625	585	41
375	401194	1000	715	685	67
450**	401315	1100	810	785	103
525**	401425	1300	950	885	147
600**	401525	1400	1045	1035	207



Note:

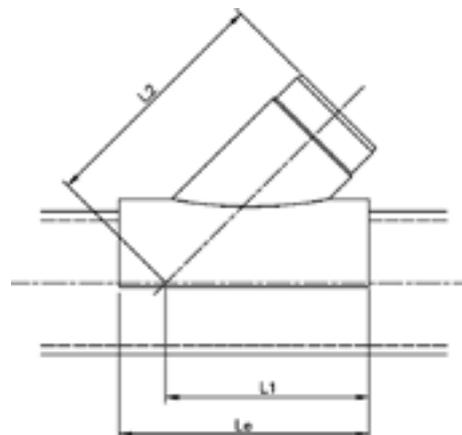
\*Couplings required, ask RCPA on 1800 659 850 for requirements.

\*\* Non-stock items, ask RCPA on 1800 659 850 for availability. Other angles can be manufactured on request.

## Saddle Slope

Branch lines can be cut into the main line at any point using the saddle slope. Attached with epoxy adhesive, the saddle slope has a SuperTite™ turning.

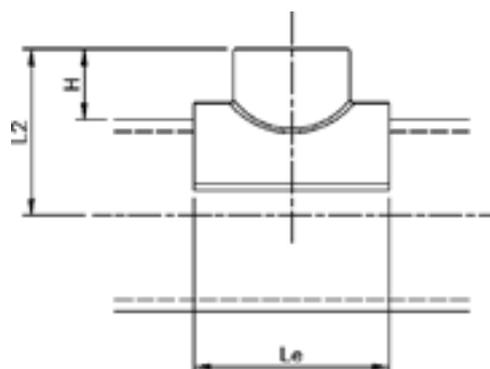
Saddle Slope Pipe/Branch*	Product Code	Approx. Mass (kg)	Dimensions (mm)		
			Le	L1	L2
300/225	401094	600	490	585	23
375/225	401213	600	530	640	18
375/300	401214	700	580	700	34
450/225	401335	600	575	695	21
450/300	401336	700	625	755	29



## Saddle Tee Adaptor to PVC (150 DN)

150mm PVC lines can be cut into a FRC Pipe line at any point using the saddle tee adaptor to PVC. Attached with epoxy adhesive, the tee adapter has a rubber v-ring included.

Saddle Slope Pipe/Branch*	Product Code	Approx. Mass (kg)	Dimensions (mm)		
			Le	L1	L2
225/150	400955	6	350	75	225
300/150	401098	8	350	75	280
375/150	401218	9	350	75	320



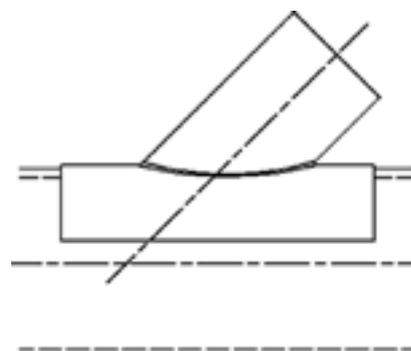
\*Other sizes are available upon request, please ask RCPA on 1800 659 850 for details.

## PVC Saddle Slope Adaptor to PVC

Each PVC saddle fits two FRC Pipe diameters, eg: 225 and 300, or 525 and 600 etc.

All saddles have a PVC spigot end only. Each saddle is supplied with plastic straps and clips for installation. We supply and recommend Z Bond V-4 adhesive.

Description	Product Code	Nominal Branch Size DN (mm)
225/300 PVC Slope Saddle	303734	100
375/450 PVC Slope Saddle	303735	100
525/600 PVC Slope Saddle	303736	100
675/750 PVC Slope Saddle	303737	100
225/300 PVC Slope Saddle	303738	150
375/450 PVC Slope Saddle	303739	150
525/600 PVC Slope Saddle	303740	150
675/750 PVC Slope Saddle	303741	150
375/450 PVC Slope Saddle	304670	225
525/600 PVC Slope Saddle	304672	225
675/750 PVC Slope Saddle	304674	225



**Systems**  
& Solutions



# **Unique drainage solutions**

*The smart thinking and use of smart technologies in our core FRC Pipe concrete pipe range is equally evident in our range of innovative drainage systems.*

RCPA recognise that the integration of quality components delivers tangible drainage design benefits. This has been the driving force behind the development of our range of designed solutions and components.

RCPA's unique approach to innovation has resulted in a suite of product solutions which give your project an edge.

These solutions help designers achieve smart outcomes in a unique way. This innovative collection of drainage solutions retains all the inherent qualities of our unique technology.

**RCPA** **SUPERTITE**  
Suspended Drainage



**Description**

The durable SuperTite™ Suspended Drainage System brings together smart design and concrete composite durability to give the ultimate above-ground suspended stormwater solution.

**Application**

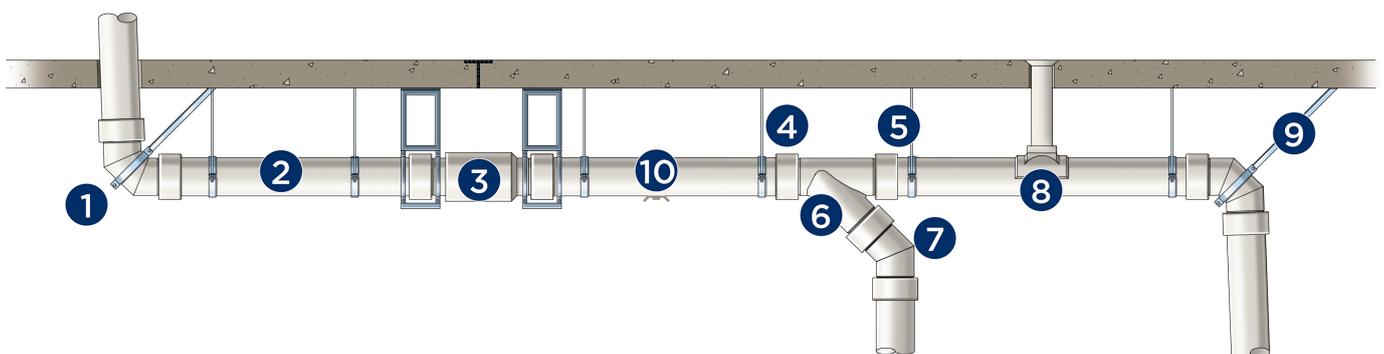
Suited to a range of projects, SuperTite™ Suspended Drainage System is constructed using high-performance reinforced concrete pipe, with its unique joint design providing a leak-resistant continuous pipeline. All pipes and fittings are manufactured from a noncombustible material, making them perfect for fire critical applications such as bridges, carparks and basements.

**Features**

- Unique leak resistant joint system, with a chemical resistant nitrile 'dual V' rubber ring as standard for critical applications.
- Made from a concrete composite for durability.
- Extensive range of fittings.

**SuperTite Suspended Drainage System Setup**

1. 88° SuperTite™ bend
2. SuperTite™ pipe
3. SuperTite™ expansion joint
4. Support bracket
5. SuperTite™ coupling
6. SuperTite™ junction
7. 45° SuperTite™ bend
8. SuperTite™ saddle tee
9. Lateral brace
10. Clean out point



## SuperTite™ Pipe and Coupling

### Technical Specifications

SuperTite™ Concrete Pipes (4m)								
Nominal Pipe Size DN (mm)	225	300	375	450	525	600	675	750
Product Code	402373	402394	402416	402438	402380	402402	402422	402440
Strength Class	2	2	2	2	2	2	2	2
Pipe ID (mm)	233	302	377	455	531	608	673	719
Pipe OD (mm)	273	346	427	512	593	677	751	802
Pipe Length (m)	4	4	4	4	4	4	4	4
Spigot Dia. (mm)	257	336	415	504	584	664	733	783
Approx Mass (kg)	107	149	209	292	370	475	590	670

**Note:** Also available in 2m lengths

SuperTite™ Cutter Pipes								
Nominal Pipe Size DN (mm)	225	300	375	450	525	600	675	750
Product Code	400940	401081	401200	401322	401432	401532	402110	
Pipe ID (mm)	233	302	377	455	531	608	719	
Pipe OD (mm)	257	336	415	504	584	664	733	
Pipe Length (m)	2	4	4	4	4	4	4	
Approx Mass (kg)	35	113	162	242	300	369	507	

SuperTite™ Couplings								
Nominal Pipe Size DN (mm)	225	300	375	450	525	600	675	750
Product Code	400866	400987	401129	401252	401370	401474	401568	401604
O.D. (mm)	325	418	510	605	690	780	839	870
Length (mm)	160	160	180	180	180	180	180	180
Approx Mass (kg)	5	7	12	15	18	21	25	29

**Note:** All dimensions may change without notice. The mass figures above are intended as a guide only and may vary depending on ambient conditions. The O.D. values listed are based on manufacturing specification to meet AS4139 requirements. Effective length may vary with joint type. Flush point out.



# **SLIMDRAIN**

## Linear Grated Drainage

### Description

The SlimDrain™ Linear Drainage System is designed for a safer road surface.

- Safe and cost effective
- Eliminates vehicle hazards through surface water
- Provides a smooth 'bike safe' surface.

Using a continuous or semi-continuous narrow grate, the revolutionary SlimDrain™ helps eliminate dangerous surface 'sheet' stormwater commonly found on roads or large paved areas.

This ponding effect can cause loss of vehicle control if surface water builds up in the roadway. This can be a problem with traditional pit and pipe systems.

### Application

The SlimDrain™ drainage system can be utilised in a number of different methods:

- Invert of kerb
- Against median barrier
- Line drainage in car parks and driveways
- Spill containment

### Features

The SlimDrain™ inlet is a galvanised metal grate with a standard opening width of 48mm. This bike-safe design includes two longitudinal bars with an opening of 14mm.

Combined with FRC Pipe concrete pipe with its high chemical resistance and excellent flow characteristics, SlimDrain™ is not only able to provide outstanding hydraulic performance but is highly durable and long lasting.

SlimDrain™ is available with different grate configurations, to suit a range of installation conditions.



## Structural

Designed to accommodate wheel loads equivalent to Class D (AS 3996-2006), SlimDrain™ is installed with an un-reinforced structural concrete surround.

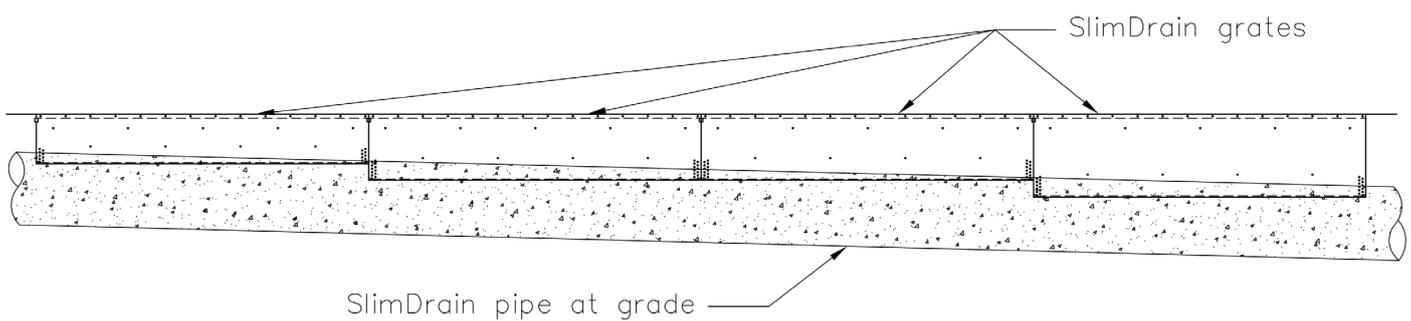
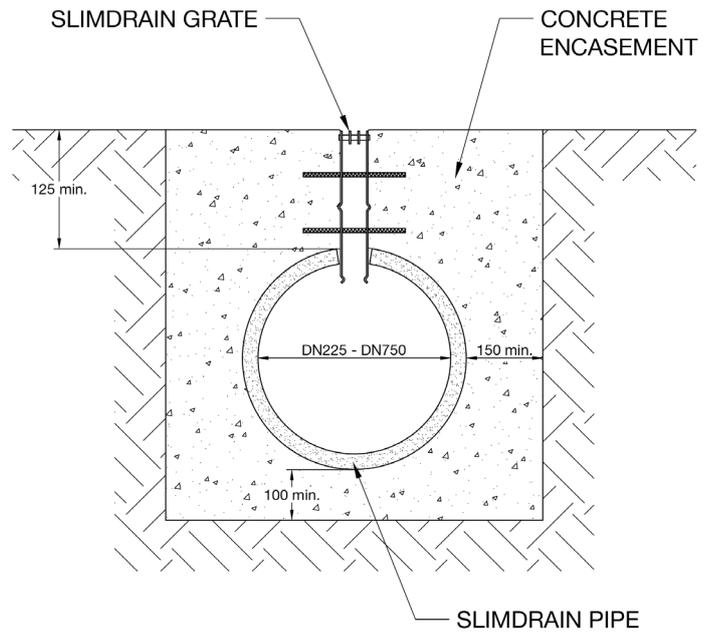
Installation process is simple and efficient. SlimDrain™ can be finished with a variety of surface treatments to suit local site or project conditions.

## Hydraulic

The combination of the carrier pipe and variable depth grates means that SlimDrain™ can be used in applications with limited or no surface grade.

SlimDrain™ grates can be installed in continuous lengths over 150m with 0.2% pipe grade. RCPA can provide assistance in calculating the installed grate requirements.

As SlimDrain™ operates as a continuous inlet channel, determination of grate inlet flow and pipe capacity for SlimDrain™ requires an alternative calculation method to standard pit and pipe construction. Use of the "Wallingford" method provides a simple solution of the pipe flow, for a given pipe size, installed gradient and flow depth. Contact RCPA for support in applying this methodology.



# **AQUIFER** Subsoil Drainage

## Description

The slotted Aquifer™ Subsoil Drainage pipes maintain high strength and are the ideal answer to ground dewatering in a variety of applications.

## Application

From water sensitive urban design, to railway ballast drainage, the uses for Aquifer™ Subsoil Drainage pipes are limited only by the designers imagination.

## Features

Having been proven on a wide range of railway ballast drainage and permeable road pavement drainage applications, the strength of Aquifer™ pipes are without equal.

When used in water sensitive urban design, the range of Aquifer™ Subsoil Drainage pipes can be directly connected into the drainage system with the use of a complementary range of pits and accessory products.



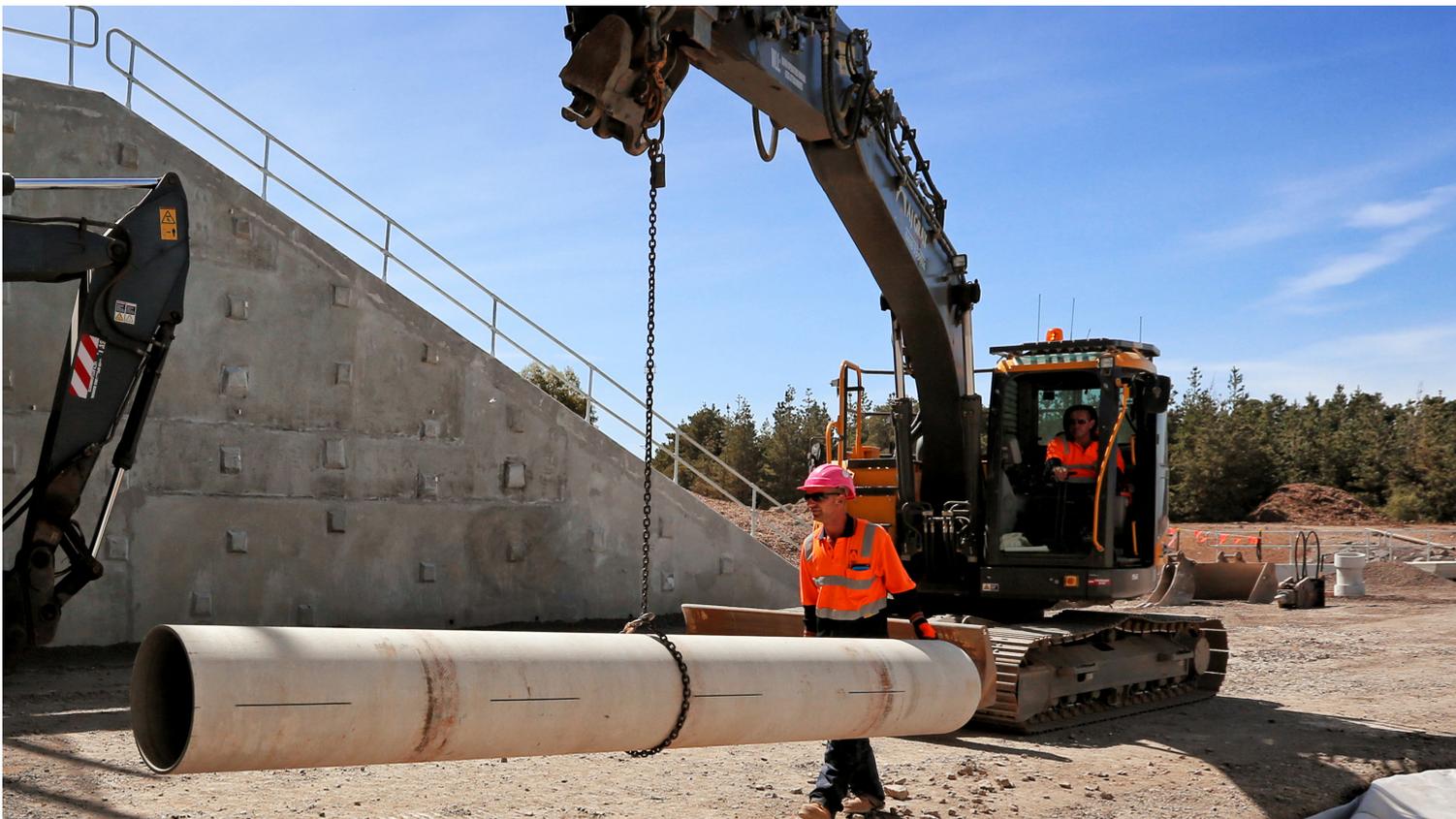
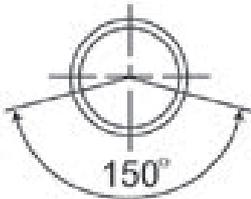
## Technical Specifications

Nominal Pipe Size DN (mm)	Product Code	Strength Class (AS3725)
225	403136	4
300	403155	4
375	403174	4
450	404165	2
525	404166	2
600	404150	2
675	404167	2
750	404168	2

Total Slots per pipe	Rows per pipe	Effective slot length	Slot Width	Total slot area per pipe	Approximate proportion of Full Pipe Flow below slots	
					Slots Down	Slots Up
8	2	300mm	5mm	11.800mm <sup>2</sup>	25%	80%

**Note:**

1. All dimensions are nominal
2. Aquifer subsoil drainage comes with RCPA™ Precision Joint Technology



# RCPA SPOONDRAIN

## Open Channel Drainage

### Description

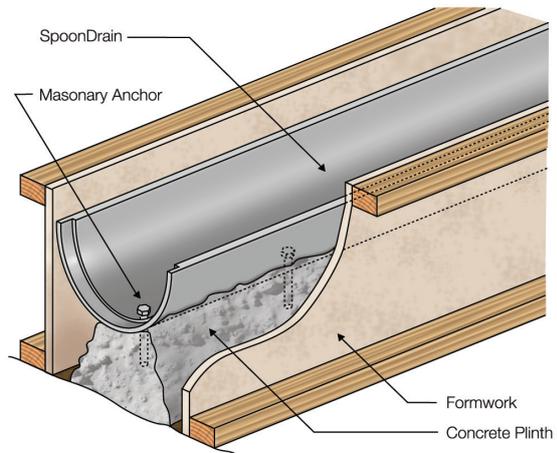
Looking for a quick solution to forming open channel drains? Using SpoonDrain™ as a permanent formwork allows for rapid construction with minimal hand finishing of placed concrete. Available in sizes from 225 up to 750mm, there is a size to suit any application.

### Benefits

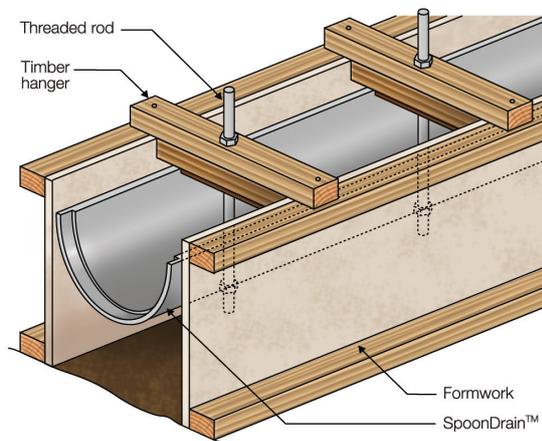
- Rapid setup of forms and location braces.
- Easy placement of backfill concrete with minimal labour required.
- Minimal finishing of backfill concrete.
- Smooth surface finish.
- Hydraulically efficient.



### Concrete Plinth Installation



### Timber Hanger Installation



### Design

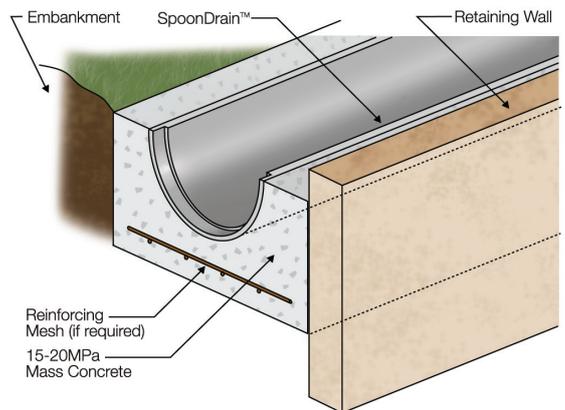
Simple, easy to use SpoonDrain™ almost designs itself. Typically backed by mass concrete support, the SpoonDrain system acts as a permanent formwork for the smooth drainage channel providing quick and easy installation.

In most cases reinforcing mesh is not required, however this should be checked by an appropriately qualified person for site specific requirements.



### Timber Hanger Installation

Sizes (mm)	Product Code	Approx. Mass (kg)
225	403128	49
300	403144	70
375	403165	98
450	402436	137
525	402368	172
600	402400	222
675	404759	292
750	403890	314



*Customer Sales  
& Service Team*



# Committed to excellence

## **Tailored product solutions for your unique project.**

*The RCPA Customer Service team offers tailored solutions for your unique project needs. Our dedicated team of customer service specialists are comprehensively trained in all areas of service fulfilment.*

Customers can expect a premium level of service delivery focused on their specific needs - at RCPA, no two customers are the same and our approach to service delivery reflects this.

### **Service Commitment**

As our valued clients our service commitment to you is of utmost importance. We pride ourselves in responding to the needs of our clients and achieving the best outcome for you.

We can assist you with choosing the right product, quotations, product support, provide streamlined ordering options, manage delivery expectations and resolve any issues you may have! Customers can expect a dedicated customer service contact who has an intimate understanding of their account.

### **What you can expect**

At RCPA, we understand how important it is for seamless and efficient service and as such you can always expect:

- Your quotation to be delivered within 48 hours of request
- Access to an experienced customer service representative who understands your account
- Dedicated product specialists to assist you with your needs
- A solutions focused team committed to ensuring your project runs smoothly.

**Health**  
& Safety



### **During installation or handling:**

- Work in outdoor areas with ample ventilation;
- Minimise dust when cutting by using a dust-reducing circular saw attached to a HEPA vacuum; or using suitable wet cutting equipment to suppress dust;
- Warn others in the immediate area to avoid breathing dust;
- Wear a properly-fitted, approved dust mask or respirator (e.g. P1 or P2) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica exposures. During clean-up, use HEPA vacuums or wet cleanup methods - never dry sweep.

### **WARNING DO NOT BREATHE DUST AND CUT ONLY IN WELL VENTILATED AREA.**

RCPA products contain sand, a source of respirable crystalline silica which is considered by some international authorities to be a cause of cancer from some occupational sources.

Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks.

For further information such as Installation Instructions or Safety Data Sheets, please ask RCPA on 1800 659 850.

**FAILURE TO ADHERE TO OUR WARNINGS, MATERIAL SAFETY DATA SHEETS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.**



**THE AUSTRALIAN PIPE COMPANY**

Contact:  
1800 659 850  
[rcpa.com.au](http://rcpa.com.au)

February 2021