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# Ridgidrain

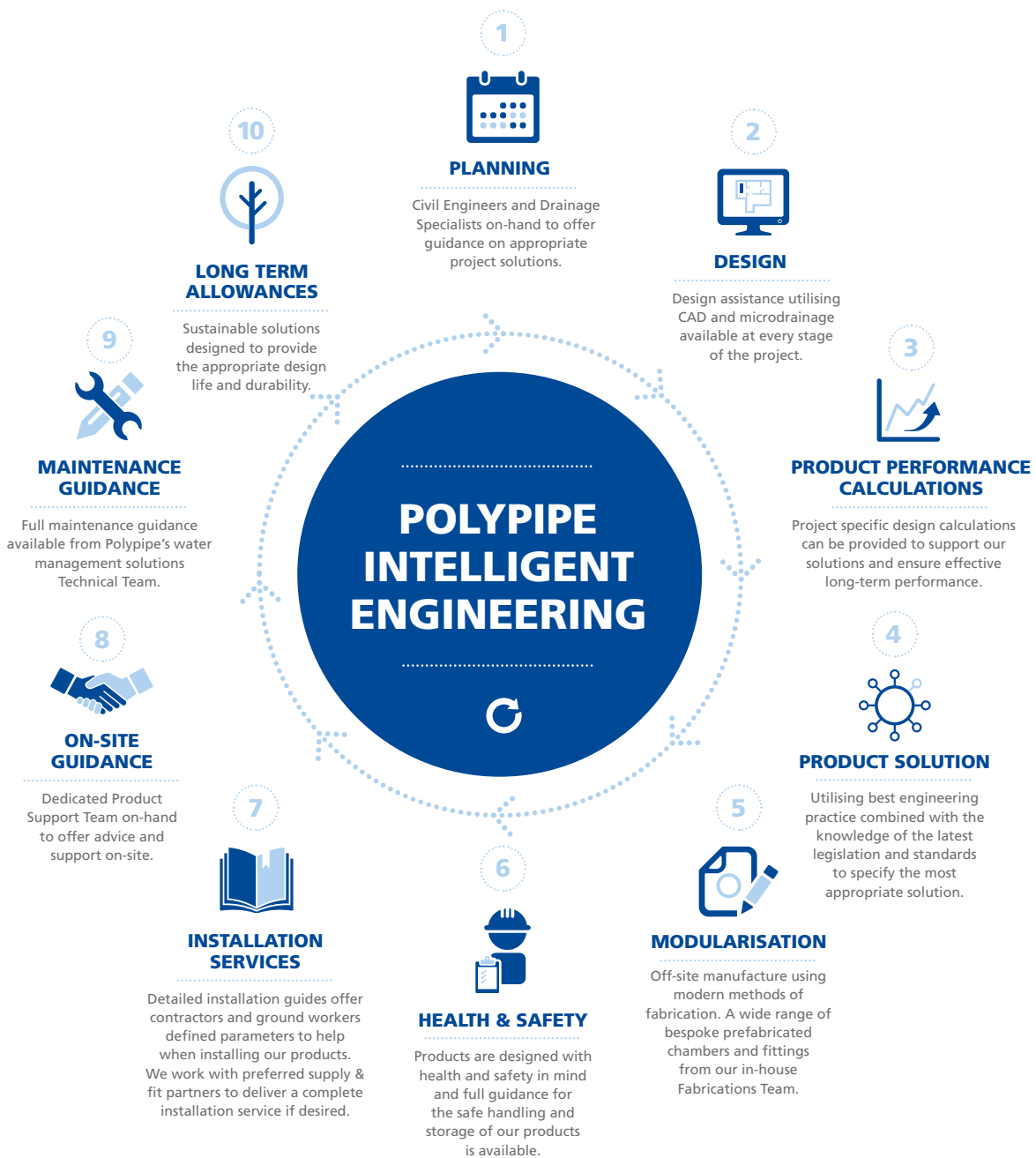


Product Support

# Intelligent engineering

## The market leaders in surface water management

Our team of fully qualified drainage specialists, civil engineers and technical support experts can offer invaluable experience and knowledge through each and every stage of a project. We can provide the most commercially viable solution for a project through our ability to be unbiased. Offering both pipe and geocellular systems, we can offer a truly holistic range of products meaning we can tailor our solutions to your needs. You can contact our team on **01509 615100** or arrange a visit from one of our commercial or technical specialists.



# Ridgidrain



Our Ridgidrain surface water drainage system offers specifiers a proven, versatile non-pressure surface and sub-surface drainage system, which can be used as a carrier drain or used for attenuation or infiltration.

A range of pipe diameters are available, with sizes from 100mm up to 600mm on offer, while the system also comes either plain ended or integrally socketed, giving you extra flexibility in selecting the product for your specific project needs. With a minimum predicted life span of 50 years, HDPE pipework is resistant to the most common chemicals and is ideal for stormwater applications.

Ridgidrain is manufactured in longer lengths when compared to traditional materials, resulting in fewer joints for improved resilience to leakage, while its smooth bore also provides excellent hydraulic properties. HDPE's light weight nature also results in reduced transport / installation costs and improved Health & Safety benefits.

For the latest version of this document please go to: [www.polypipe.com/ridgidrainproductsupport](http://www.polypipe.com/ridgidrainproductsupport)

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# Loading

At Polypipe, we are well aware of the challenges posed by loading, handling, transporting and offloading. We've created this document to comprehensively explain loading configurations, vehicle and delivery options, enabling Ridgidrain to be delivered safely, securely and professionally.



## Loading:

- All drivers should report to Polypipe Civils transport office upon arrival at site
- Delivery notes provided by Polypipe will clearly state product details
- If spacer option requested, bearing timbers will be placed on to the bed of the trailer/vehicle, with a minimum of 2 timbers per each 6 metre length of pipe
- Polypipe personnel will load the trailer/vehicle using a counter balance fork lift truck, by aligning the pipe in position and lowering carefully to ensure the pipe is cradled in position correctly before removing the fork lift truck

## Before leaving Polypipe:

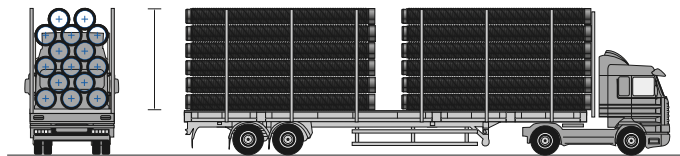
- The vehicle should not move until ratchet straps have been secured
- The driver should secure pipes using load security straps as supplied by the transport company
- All pipes to be secured using a minimum of two straps per pipe up to 6 metre length including fittings and chambers
- The load is subject to a final visual inspection by Polypipe personnel to ensure the load is secure, the correct number of straps are used and the posts are in place
- This inspection does not remove the responsibility from the driver and the transport company for the security and the safe transportation/delivery of the load

# Load configurations

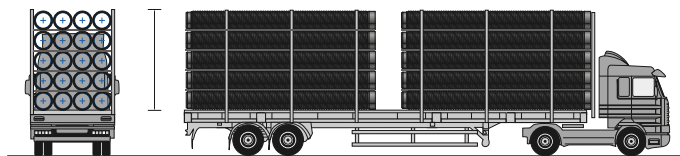
The Polypipe **standard** articulated delivery vehicle will accommodate a load 2.9m wide. The trailer bed is 13.6m long which is enough space for 2 standard 6 metre lengths of Ridgidrain pipe.

## Standard un-palletised Configuration

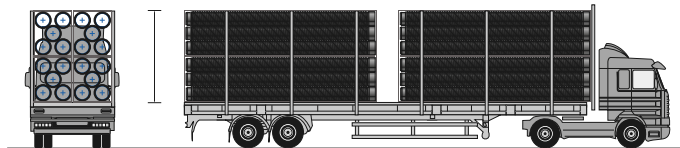
PIPE SIZE	PIPES PER PALLET	PIPES ON A SINGLE LOAD	LOAD HEIGHT*
Ø100mm	85	1020	3228mm
Ø150mm	36	432	3063mm
Ø225mm	14	168	2943mm
Ø300mm	8	96	3258mm
Ø300mm Plain End	9	108	3258mm
Ø375mm	5	60	3063mm
Ø400mm	5	40	3438mm
Ø450mm	N/A	50	3130mm
Ø500mm	N/A	40	3020mm
Ø600mm	N/A	24	2550mm



Standard un-palletised Configuration



Spacers Configuration



Palletised Configuration

## Spacers Configuration

PIPE SIZE	PIPES ON A SINGLE LOAD	LOAD HEIGHT*
Ø450mm	32	2300mm
Ø500mm	32	2500mm
Ø600mm	18	2020mm

## Palletised Configuration

PIPE SIZE	PIPES PER PALLET	PALLETS PER LOAD	PIPES ON A SINGLE LOAD	LOAD HEIGHT*
Ø450mm	4	12	48	3720mm
Ø500mm	4	8	32	2190mm
Ø600mm	2	9	18	2020mm

\* Note: Load heights from bed of lorry to top of load

# Delivery options

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At Polypipe, we understand that different sites have different requirements for the delivery of Ridgidrain. The following information is designed to assist you in choosing the right delivery option for your needs. Costs for the following vary according to your requirements.



## Standard non-offload delivery

The standard delivery options mean that pipes and fittings are delivered on a pole sided, cage or curtain sided trailer. The contractor will be responsible for off-loading all pipes and components with this option and must ensure that all Health & Safety requirements are in place, a risk assessment has been completed and that the work is carried out by competent personnel.

## Rigid

7.5t, 18t and 26t rigid vehicles can be arranged with the options of self-offload or Moffat offload. These vehicles allow for a load width of 2.9m and height of 3m and are 6m (7.5t) and 7.5m (18 & 26t) long.

**Product order code: HRV**










## Moffat/HIAB

A Moffat vehicle is a trailer with the addition of a forklift truck which is situated at the rear. The driver will offload the pipes from the vehicle to the nearest hard-standing ground. Please note that a Moffat vehicle will be sent when offloading is requested.

A HIAB is a specialist vehicle which is required for off-loading at the side of the road. Please specify if this particular vehicle is required.

**Product order code: HRO**

# Transportation

	VEHICLE TYPE	BED DIMENSIONS (m)			PRODUCT ORDER CODE	MOFFAT OPTION	HIAB OPTION
		WIDTH	LENGTH	HEIGHT*			
	Half Cage / Half Pole	2.4	13.6	4.42	HALF CAGE		
	Full Cage Trailer	2.4	13.6	4.42	CAG		
	Curtain Sided Trailer	2.4	13.6	5.03	CS	Yes**	
	Flat Trailer	2.4	13.6	4.42	FLA		
	Full Pole Trailer	2.4	13.6	4.42	FLA		
	Rigid 7.5	2.4	7	N/A	HRV		
	Rigid 18	2.4	7.5	N/A	HRV		
	Rigid 26	2.4	7.5	N/A	HRV	Yes**	Yes**
	Transit Van Only	N/A	N/A	N/A	VAN		

\*All heights are based on measurements from the bed floor to the top of the trailer to indicate the maximum load height

\*\*Please note the product code for Moffat/HIAB options is HRO

## Pipe pre-slinging

In line with Health and Safety guidelines, we do not recommend any operatives accessing the delivery vehicle to offload products. Please inform the Polypipe team if you require non-returnable single use slings to be provided with the delivery. PLEASE NOTE: This is not standard therefore the supply of the slings will be chargeable.

Product order code: PSL

## Pipe spacers

Spacers allow access to lift single units from the trailer, or to fit lifting equipment on-site.

Product order code: PSP

## Pipe palletisation

Palletisation allows access to lift pallet packs from the trailer.

Product order code: PPA

## Pipe nesting

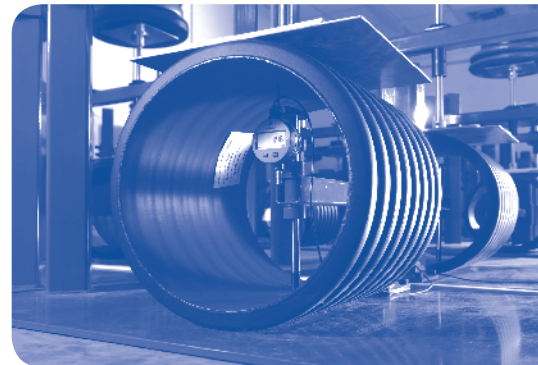
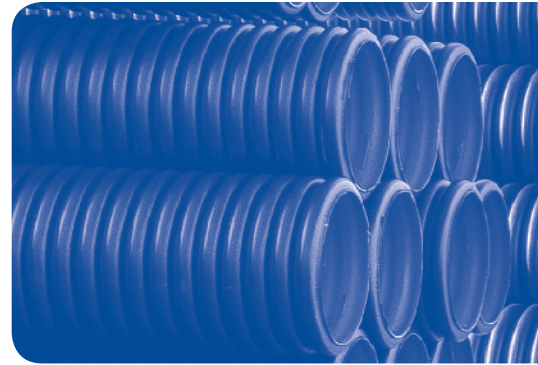
Consolidation on loading can be achieved by nesting pipe within pipe, dimensions allowing. PLEASE NOTE: This is not standard therefore this will be chargeable.

Product order code: PNE

# Offloading

Offloading on-site should be carried out by suitably qualified and trained personnel. No operative should be required to work from the back of the delivery vehicle unless appropriate safety measures have been risk assessed and implemented.

## Ridgidrain Product Support



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