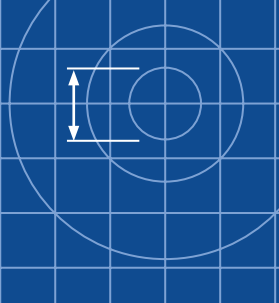


# RP Concrete Pipe

## Installation Guide

August 2025



### Installation procedure

#### 1. Lifting the Pipe:

- Attach the chains to the pipe, ensuring they are of equal length and form an angle of less than 60 degrees at the top.
- Use the correct clutches for lifting.
- Check that all lifting equipment is certified, not expired, and in good condition.

#### Short & Long Chain Method

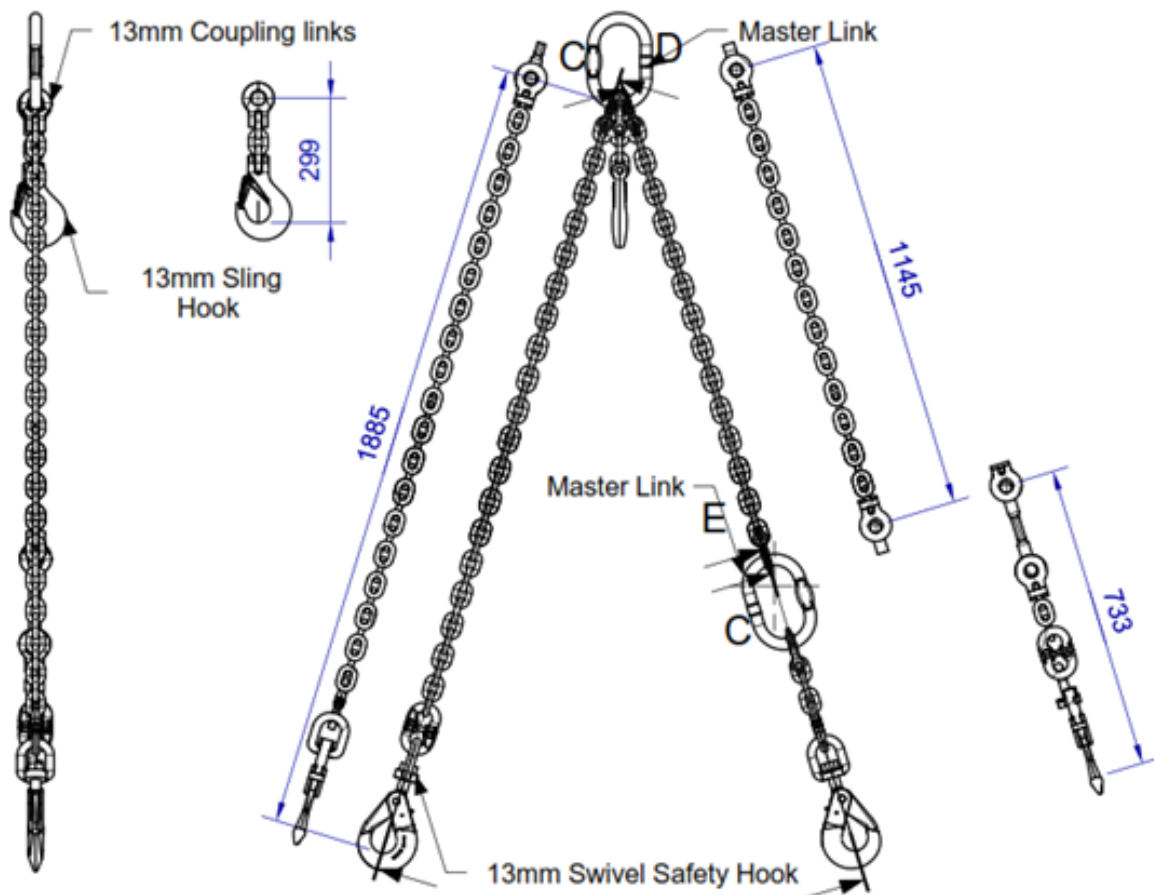


Figure 1. chain shown is Ancon EzyLay Chain set up & dimension

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## Installation procedure cont.

### 2. Positioning the Pipe & Lubrication:

- a. Lift the pipe with the spigot end facing the collar side of the receiving pipe.
- b. Before placing the homing pipe close to the inside of the receiving pipe collar, apply lubricant (Fig. 6) by hand, wearing gloves, to the spigot end and the spigot surface with a minimum of 2mm thick, up to 70mm in width toward the pipe barrel. (Fig. 3)
- c. Lower the pipe carefully, ensuring the spigot end is aligned with the collar lip of the receiving pipe. (Fig. 4) Keep the lubed spigot clear of debris. If the lubricated spigot contacts bedding before installation, it must be cleaned and re-applied.
- d. Before totally laying the pipe on the bedding, adjust the spigot so it touches the inside of the collar's first lip.



Figure 2. Wearing protective gloves, apply lubricant on the Spigot area; **do not** apply with a brush.



Figure 3. Ensure the spigot edge is fully coated with lubricant and has a **min. 70mm** coverage on the entire spigot surface circumference.



Figure 4. Lower the pipe carefully, ensuring the spigot end is aligned with the collar lip of the receiving pipe before homing together.



Figure 5. If the pipe needs to be re-connection during this process, re-apply lubricant to ensure smooth installation.

**NOTE:** If pipes need re-connection, ensure there is enough lubricant applied to the spigot edge and surface before re-connecting as the lubricant from the previous connection would have been pushed back. (Shown in Fig. 5)

The recommended lubricant, Cordes GM95, can be purchased from your nearest Humes sales centre. Use Item Code: 80130966



Figure 6. Cordes GM95 lubricant for RP pipe connection

### 3. Preparing to Home

- a. Once in position, detach the chains and use the short & long chain method.
  - i. The short side is on the incoming homing pipe close to the connection, and the long side is on the receiving pipe far from the connection.
- b. Ensure the lifting ring is above the collar end, within the collar's highest lip area. (Fig. 8)



Figure 7. Long chain on the far side of the lifting pin on the receiving pipe, the short chain connected to the closer side of the pin of the homing pipe.



Figure 8. The top of the chain must be above the Collar side within the area where the collar's highest lip is located.



## Installation procedure cont.

### 4. Homing the Pipe:

- a. Adjust to align with the pipeline using laser equipment; the bedding must be level to support the pipes.
- b. Lift the pipe slightly and slowly, and adjust as needed to ensure alignment.
- c. The short chain will move the homing pipe horizontally into the receiving pipe, while the receiving pipe remains stationary.
- d. Stop lifting once the pipes are homed or vertical force is observed.

### 5. Checking the Connection:

- a. Check the pipe joint gaps at 12, 3, 6, and 9 o'clock positions. (X in Table 1)
- b. Ensure the gaps are smaller than the recommended joint gap as per the design drawings.

BARREL INT. DIA.	EXT. DIA.	COLLAR EXT. DIA.	COLLAR EXT. LENGTH	BARREL EFFECTIVE LENGTH	OVERALL LENGTH	WALL THICKNESS	MIN. JOINT GAP	MAX. JOINT GAP	MASS (KG)
A	B	C	D	E	F	T	X	X	
525	625	730	251	2500	2590	50	<b>7</b>	<b>11</b>	641
600	710	820	257	2500	2590	55	<b>7</b>	<b>11</b>	796
675	795	930	302	2500	2600	60	<b>9</b>	<b>14</b>	991
750	880	1030	322	2500	2600	65	<b>9</b>	<b>14</b>	1163
825	965	1120	329	2500	2600	70	<b>9</b>	<b>14</b>	1407
900	1050	1230	364	2500	2600	75	<b>9</b>	<b>14</b>	1668
1050	1216	1390	355	2500	2600	83	<b>9</b>	<b>14</b>	2101

### 6. Checking as you go:

- a. Ensure the pipes are supported and leveled on the bedding.
- b. A final check on the alignment of the pipeline.
  - i. Make any necessary adjustments to ensure proper alignment,
- c. Double-check the joint gap; it may change if any adjustment is made after homing.

Following this method ensures a secure and efficient connection between the pipes while maintaining safety and product integrity.

Further technical details or advice freephone  
**0800 502 112** or visit [humes.co.nz](http://humes.co.nz)

Buyers and users of the products described in this brochure must make their own assessment of the suitability and appropriateness of the products for their particular use and the conditions in which they will be used. All queries regarding product suitability, purpose or installation should be directed to the nearest Humes Sales Centre for service and assistance. Fletcher Concrete and Infrastructure Limited 2025.

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