Conditions of Sale and Use / Warranty:

Due to the varying conditions and applications for which kwik-ZIP products are used, neither kwik-ZIP Pty Ltd or kwik-ZIP Marketing Pty Ltd (collectively, kwik-ZIP) offer any warranty for the products suitability for any particular purpose. Accordingly, the Purchaser is deemed to have assessed the suitability of the goods for the intended application and to the extent permitted by law, liability of kwik-ZIP for breach of any implied, express, or statutory warranty or condition which cannot be excluded is restricted, at kwik-ZIP's option, to:

i) The replacement of goods found to be defective in material and workmanship; or

ii) The payment of the cost of having such goods replaced;

Replacement of or payment for such goods is subject the goods being returned to us within 12 months of shipment by kwik-ZIP.

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kwik-ZIP®

INERT CENTRALIZER & SPACER SYSTEMS
FOR THE DRILLING & CIVIL CONSTRUCTION INDUSTRY

INSTALLATION NOTES FOR HORIZONTAL APPLICATIONS

HD / HDX / HDXT SPACERS

IMPORTANT: PLEASE READ IN FULL BEFORE INSTALLATION

www.kwikzip.com

Issue Date: Jan 2025

INSTALLATION NOTES

In order to minimise potential issues during installation the following notes should be read in conjunction with the specific products Installation Guide before commencing installation;

Spacers

- The ratchet screw mechanism is one way – it cannot be loosened once tightened up.
- If a spacer joint is accidentally pushed closer on one set of segments, then the next joint can be set at bit further out – to allow the ring to wrap the pipe.
- Each Spacer segment has 2-screws – Both screws need to be tightened.
- After wrapping the pipe and pushing together by hand - tighten the screws on the top spacers – then work down both sides of the pipe – tightening each set of screws as you go. This will provide greater tension and better grip. Do not over tension the screws as this may cause damage to the thread. Maximum torque of 10 inch-lbs (1.13Nm) is recommended.
- Spacers should not be exposed to a naked flame or sparks from welding. Failure to shield the product whilst welding may result in damage.
- Make up the spacer/insert sets prior to installation and have them ready when needed.
- Take care when moving the spacer chains that they do not get pushed closer together – the ratchet mechanism is one way and cannot be pulled back.

Casing

- Care must be taken when inserting the pipe into the casing that the spacers do not hit the leading edge of the casing – as this can damage the spacers.
- Damage to the leading spacers can also occur due to excessive load being applied to the leading spacers – this could be from the weight of an attached pull head and/or the first length of pipe before the balance of the spacers on the initial length are sharing load in the enveloper.
- This excessive load can be reduced by placing 2 spacer rings at the leading end of the pipe to support the additional load of a pull head and by supporting the carrier pipe at the install height parallel to the invert of the tunnel.
- Care must be taken to ensure are no internal ridges (such as vertical casing misalignment) or protrusions that may prevent the spacers from sliding along the casing.
- Please contact Kwik-Zip for advice on spacers if casing misalignment is present.

Carrier Pipe Installation / Forces

- Wetting the casing invert prior to carrier pipe installation will further reduce friction and aid the installation process.
- If the internal surface of the casing is rough, a lubricant such as liquid polymer drilling fluid should be considered.
- Contact kwik-ZIP to discuss the possibility of using kwik-ZIP's kwik-ROLLER® products for reduced friction & push forces.
- To minimise abrasion on wear pads, care should be taken to prevent sand or debris from entering the casing prior to insertion of the carrier pipe.
- Care must be taken to support the pipe outside the casing – as unsupported pipe can lead to excess loads on the spacers.

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