

FIRETEX PIPE PENETRATION SEAL - FITTING INSTRUCTIONS

- Exposed bonding surfaces should be shielded from all contaminants prior to the final bonding operation.
- Before fixing of the stainless steel worm drive clips, the pipes operating mode should be checked to ascertain where compression or extension of the seal is required.
- For standard single seal A0 and H0 applications ceramic or equivalent insulation materials should be installed between pipe and sleeve.
- For double hot-faced single seal A0 and H0 applications (installed on either side of the fire barrier when fire attack can come from either side) no insulation is required.
- For standard two seal A60 up to H120 applications the same should also be applied to protect the clipping areas. The length of the insulation material applied along the pipe should extend to 458mm from the face of the deck or bulkhead and then back over the seal clip.
- For special single seal A60 up to H120 applications (installed on the fire hazard side) please refer to Product Data Sheet for guidance on lengths and thickness of ceramic insulation to be applied.
- Should further clarification be necessary please contact our technical department or refer to the appropriate Product Data Sheet.

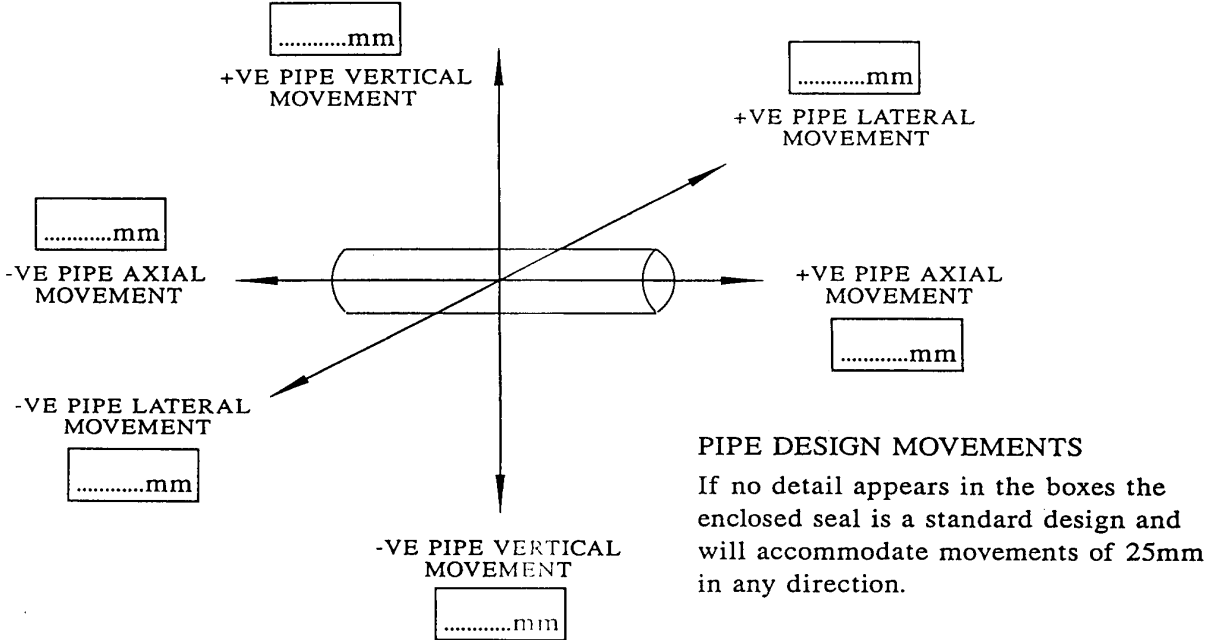
CLIPPING INSTRUCTIONS - FOR SEAL REF : _____

At pipe end use : _____

At sleeve end use : _____

CLIPPING LENGTHS

Up to 300mm dia sleeve - 25mm, above 300mm dia sleeve - 45mm



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Each Firetex seal package contains the following components:

- Firetex seal/s (a single seal is required for A0 and H0 and two seals for A60 to H120 applications).
- Silicone sealant for bonding the longitudinal overlap joint.
- Stainless steel worm drive clips for securing the seal around pipe and sleeve. (The number of clips enclosed will ordinarily be two per seal. However, for sleeve diameters of 350mm and greater, double clipping is required. Also, for large diameters, a number of clips may be supplied to be installed in tandem. This installation instruction sheet details specific clipping requirements).
- Installation instruction sheet.

Check seal package contents.

Check seal sizes are correct for pipe and sleeve diameters.

Check the seal surfaces. The surface with the label attached is the 'hot' or outer face of the seal.

Check design movements can be accommodated by the seal. Standard Firetex seals will accommodate movements of 25mm in any direction. The movement axis illustration overleaf will indicate greater movement capability if this has been requested.

INSTALLATION

1. Disengage worm drive on each clip and pass around pipe and sleeve local to the seal location. Re-engage worm drives. On certain seal sizes, clips are supplied in multiples which will be indicated overleaf.
2. Wrap seal around pipe and sleeve ensuring the overlap edge faces downward to prevent ingress of water and contaminants.
3. Position clip over sleeve end approximately 6mm from edge of seal. The seal edge must not be more than 25mm beyond the open end of the sleeve for sizes up to 300mm diameter and 45mm for sizes over 300mm diameter. Tighten clip to loosely grip and retain the seal in position.
4. From the pipe end, turn back the seal overlap to the retaining clip on the sleeve and apply sealant to both overlap surfaces.
5. Bring both surfaces of the overlap together and apply hand pressure to form a bond.
6. Position the second clip over the pipe end of the seal approximately 6mm from the seal edge and loosely tighten.
7. Remove clip from the sleeve and apply sealant to both of the remaining overlap surfaces, repeat step 5. and replace the clip.
8. Leave the seal for 24 hours to allow full curing of the bond.
9. After full cure, the pipe clip may be loosened to allow compression/extension of the seal in accordance with the design movement direction.
10. Finally, tighten both clips.

**SHOULD THERE BE ANY QUERY REGARDING THE FITTING OF THIS
FIRETEX PIPE SEALING SYSTEM PLEASE CONTACT
STENCA TRADING A/S**