

## ASSEMBLY INSTRUCTIONS FOR CONTROL RODS AND COMPRESSION SLEEVES

- A. The control rods and compression sleeves shall be assembled on the expansion joint's mating piping flanges as per figure 1
- B. The nuts of the control rods shall be adjusted at the field such that the expansion joint cannot extend more than the maximum axial elongation movement as specified by the customer's engineer. However, this specified movement cannot exceed the maximum allowable axial elongation of the Haleson expansion joints.
- C. The compression sleeves (also called pipe sleeves) have been manufactured with some excess length (not knowing the mating pipe flanges thickness). The compression sleeves need to be cut at the field to the required length, such that the expansion joint cannot compress more than the maximum axial compression movement as specified by the customer's engineer. However, this specified movement cannot exceed the maximum axial compression of the Haleson expansion joints.
- D. Note that compression sleeves may not be required if the expansion joint will only be subjected to elongation movement.

The maximum allowable movements of the expansion joint are (measured from its neutral face to face length, which is F/F on figure 1).

<u>Size</u>	<u>Model</u>	<u>Axial elongation</u>	<u>Axial compression</u>
-------------	--------------	-------------------------	--------------------------

Fig 1

