



CONSTANT FORCE SPRINGS

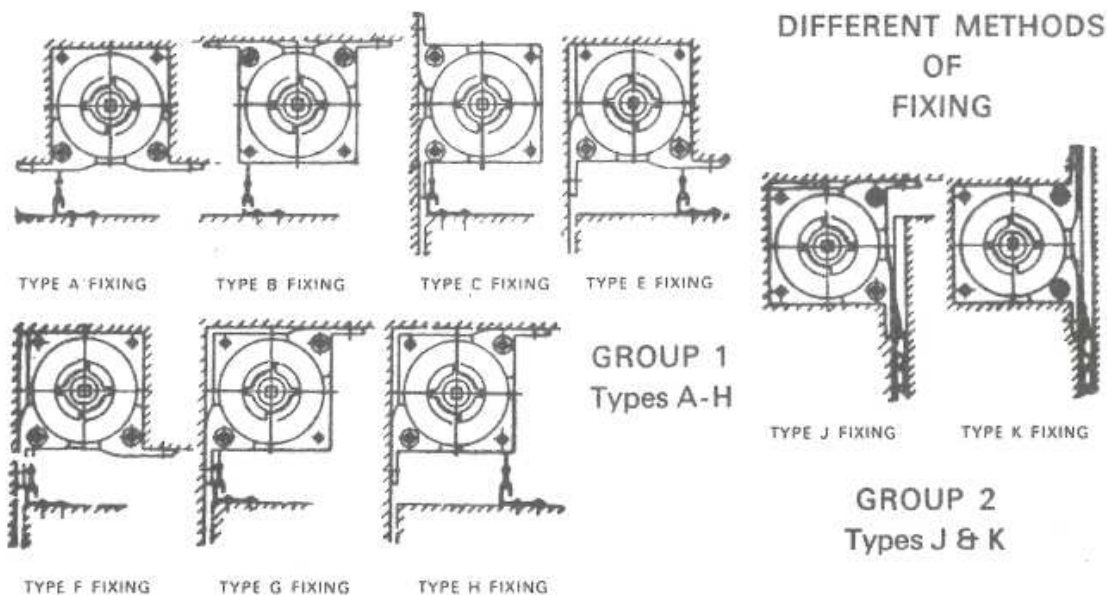
9S Adjustable Spring Balance

Fitting Instructions

The balances are sent out with balancing capacity (highest and lowest) PER PAIR OF BALANCES stamped on each case and with the spring tension adjusted to the lowest figure.

When necessary, spring tension can be INCREASED OR DECREASED by rotating adjusting spindle clockwise or anticlockwise : each quarter turn alters the balancing capacity PER PAIR by approximately 1/25th of the lowest figure.

- IMPORTANT**
- (a) Ensure arms of adjusting spindle locate firmly under legs of casing.
 - (b) When decreasing tension disengage spindle arms from locating lugs before allowing spindle to unwind.
 - (c) All adjustments must be in one-quarter turns.
 - (d) Keep tape free from paint, etc. This affects the working of the balance.
 - (e) Prevent tape from flying back in the balance case as this may kink the tape and/or damage the loop.
 - (f) Always pull tape STRAIGHT out from casing, never in a manner which causes it to rub or pull against casing slots.
 - (g) Balances are supplied already packed with grease ; they require no further lubrication or maintenance.
 - (h) When sash travel is more than 24 inches it may be necessary to fit locking catches or bolts to ensure that sash remains in fully opened or closed position.



- Note:**
- (1) Each sash balance is packed with 2 corner brackets and 2 extra self-tapping screws. Assemble brackets before fixing balance to framing.
 - (2) To assemble corner brackets remove the 2 self-tapping screws from corner of the box, position bracket, replace screws and use the 2 extra screws through opposite legs of bracket.
 - (3) The exit for the tape in GROUP 1 is at the corner of the box, for GROUP 2 at the side. DO NOT USE GROUP 1 FOR GROUP 2 CONDITIONS OR VICE-VERSA.
 - (4) In fixings A and E only must the loop of tape be threaded diagonally through hole in corner bracket before fixing.