

ITEM: POSITIONERS on stacking panel type covers

FINDING: LONGITUDINAL POSITIONER SHOWING EXCESSIVE CLEARANCE



Positioner type with pin on coaming



Positioner type with pin on hatch cover



Measuring longitudinal clearance



Measuring longitudinal clearance

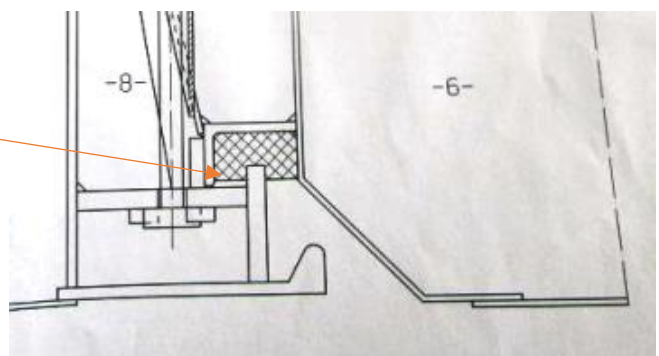
WHY IS THIS A PROBLEM?

TECHNICAL DATA: LONGITUDINAL POSITIONERS / STOPPERS ON STACKING PANEL TYPE HATCH COVERS

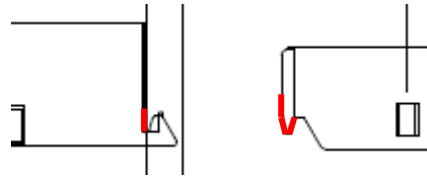
- Also called: positioning pins, centring devices, pitching stoppers etc.
- Positioners are the structures on the panel sides and corresponding structures on the coaming table which allow for the positioning of each individual panel.
- They allow for, and restrict, the fore and aft movement of the panels.
- Positioners can have a dual function and also act as locators, meaning they regulate the compression on the packing rubbers.

ISSUE WHEN POSITIONERS HAVE EXCESSIVE CLEARANCES

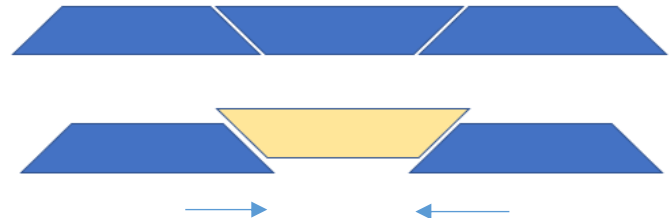
- Excessive positioner clearance is not immediately an issue for the compression in the cross joints. On stacking type panels, the compression is vertical and as such, limited fore and aft movement will move the compression bar on the rubber instead of reducing compression in the cross joints.
- On some hatch cover designs, positioners act as locators, regulating compression on the end & corner pieces of the hatch covers. Excessive clearance then reduces compression and causes leakages.



- When the positioners are not locators, end pieces compression is regulated mostly by the structures on the panels themselves. Positioners can then have more clearances, however,



- When panels have too much leeway for relative movement, this can prevent the proper closing of the hatch covers as shown in the drawing on the right. When clearances are very excessive and panels do not fully close anymore, this will not only affect perimeter but also cross joint compression.



WHAT KIND OF FEEDBACK IS EXPECTED?

CORRECTIVE ACTIONS

- Third party work reports on the line-out of your hatch covers
- If not available, your own measurements on how much steel was added on which locations
- Measurements after repairs
- Weathertightness test result after repairs

PREVENTIVE MEASURES

- Explanation of monitoring system implemented to avoid repairs outside of shipyard periods