

### Safety lid check:

Using the little finger, check the function of the Safety lid. Belt shall stop within 1/8" (4 mm) of travel. Once the stop has been initiated, the safety lid shall move freely and without obstruction until it is hidden under the unloading platform.

### Belt edge safety slide check (for uncovered belt side only):



The belt-edge safety slides are located on the left and right sides of the unloading area. The thumb should be used to check these safeties as they are harder to move than the safety lid. A stop should be initiated within 10 mm of movement of each slide and each belt edge safety slide shall be capable of travelling a minimum of 200 mm. Both slides shall be checked independently of each other. (only for serial nr. SK4 - SK7).

### Belt surface check:

Operate the belt for at least one complete revolution, check for the following and correct as necessary:

- \* That no tears, rips or punctures of the belt have developed.
- \* That the belt tracks smoothly in the centre of the drum with minimum side-to-side movement.
- \* That no wires or metal pieces stick out from the splice coupling area.
- \* That no excessive gaps or holes exist between the snow and carpet walkways or between the belt and carpet walkways.
- \* That the structural integrity of the carpet-frame has not changed. With the carpet stopped, walk down the centre and check for excessive flex, bending and instability in the frame.
- \* That snow and ice build-up under the drive and return drums have not occurred.
- \* That the entrance ramp to the belt is maintained level for 2-3 meters ahead of the belt.
- \* That the unloading ramp is slightly sloping away from the belt for 1,5 - 2 meters.
- \* That excessive build-up of snow and or ice on the carpet hasn't developed that could cause an user to slide backwards.
- \* That each carpet walkway is securely in place and locked down.

### CHECK LIST:

- 1) Belt must stop after 4 mm (1/8") movement of safety lid.
  - 2) 130 mm - 5" smooth moving of the safety lid
  - 3) between the belt and all covering parts (rubber, plastic, wooden covers) a maximum gap of 4 mm (1/8") is permitted
  - 4) Max. speed - stop - max. stopping distance permitted is 160 mm (6 1/4")
  - 5) Monitor one complete revolution of the belt and check for damage.
- Any damage has to be repaired immediately!**  
**Otherwise you risk serious accidents with injury to persons!**

### Monitoring Eye d5 (option)

Cover up both light sources: Belt (chain) must stop after 2 seconds

### Arrangement

In case of a belt damage, or a failure in the safety system stop the belt immediately, until a qualified person repaired it.  
If there is a failure in the Monitoring Eye it can be by-passed. For the repair time only direct supervised operation is allowed.

When the weather conditions are critical, hourly, in worst case permanent inspection and maintenance of the loading and unloading area is necessary.

### WEEKLY MAINTENANCE

Carefully de-icing under the drive and return drum.

Assurance that the conveyor belt is properly tensioned and operates smoothly

Test of the back-stop of the brush (it must not move in the locked direction)

Check the abrasion of the belt and guide lines. Pay attention of loose screws.

### GENERAL MAINTENANCE

General foundation and all structural, mechanical and electrical components shall be inspected regularly and kept in a state of good repair.

#### A) Conveyor belt:

Inspect the belt alignment daily.

No belt-contact with the metal structure is allowed.

No contact with oil or grease.

At the end of the daily operation, cover the belt with a plastic-awning. Make it storm-resistant.

#### B) Drums and rollers:

Rubber surfaces - keep free of oil and grease.

Grease driving-drum-bearing every 200 hours. All other bearings are life time greased.

Keep drums and rollers ice-free.

#### C) Belt-tensioning-system:

Keep thread and nuts greased. Free of rust and dirt.

Keep tensionmeter (if existing) greased and rust free.

#### D) Electrical control system:

Inspect plugs and wires daily.

At the end of the operating season, store all parts inside.

#### E) Structures:

At the end of the operating season, dismantle the structure and store indoors.

The belt-supporting-surface must be smooth and even. No gaps. No gaps. Watch the location of the stainless steel sheets.

#### F) Gear box:

After 5000 operating hours or 5 years the gear oil must be changed.

Select gear oil for temperatures of -25°C if possible.