

Conveyor Belt Installation Instructions

For successful and efficient belt operation it is essential that the following installation and operating instructions be followed carefully.

General

1. Carry or load side must be flat, and should be sufficiently supported on rollers or skids.
2. Check direction of belt travel, to have spiral ends trailing where applicable.
3. Do not support belts at edges only – unless specially designed for the application.
4. Install belt carefully and see that all spirals are seated before applying tension.
5. Provide take up to absorb belt excess accrued in operation.
6. Take up should be automatic for preference to maintain more constant tension.
7. Underside or return should be slack.
8. Underside may be supported at intervals (rollers) or by an appropriately constructed frame support.

Rollers

1. All rollers should be parallel and level.
2. All rollers should be in the same plane at right angles to the centre line of belt travel.
3. Do not: use flanged rollers.
4. Drive roller should be lagged if conditions permit.
5. Head and tail rollers must be parallel.
6. Fit snub roller – better traction whether drive lagged or not.
7. Flat surfaced machined rollers are essential at head and tail.
8. Horizontal adjustment of all support rollers desirable.
9. Horizontal adjustment of support rollers on load and return side ensures best tracking control.
10. Rollers should be 5cm (2”) wider than belt.
11. Rolmat – where sprocket driven, plain steel tail rollers could be used as an alternative to sprockets.

Operating

1. Run at low speed until tracking correctly.
2. Operate belt for 8 hours without load until all adjustments are complete.
3. Do not increase tension above that necessary to drive under full load conditions.
4. Check belt travel at frequent intervals, adjust promptly if wandering.
5. Distribute load uniformly.
6. Repair damaged edges promptly.