



## General information

Our crop conveyor belts are generally made as follows:

- The round steel rod is cut to length according to the conveyor width, the rod ends are heated, forged/flattened & rivet holes punched at the ends.
- Rivet retaining plates are placed between the traction belt's underside profile and rivets inserted into plates & belting.
- Rods are then fitted onto rivets, whose length relates to rod diameter/forged thickness.
- These components are then riveted into a consistent compression package, the rivet head is absorbed into the countersunk retaining plate and a smooth head formed over the rod's counter sunk upper surface.

Conveyor assemblies are manufactured to order by overall width & length, using traction belting pitches & widths standards (see chapter 2, traction belting). Options relating to steel rod diameter, rod convexity, cranking etc. see Chapter 5, rivet rods.

Joining clips, lapjoint or endless vulcanization are commonly used to join the ends of a belt (see chapter 3, belt joints & joining clips).

There are multiple rods covering options (see chapter 6, rod coverings).

If no sprocket run clear ways are required (e.g. friction or cam drives), the rod covering is retained from side movement by the traction belting, the internal diameter may then be the same or oversize to that of the rod.

Sprocket tooth driven conveyors require tooth clear ways. A slightly undersized (friction fit) rod covering is used. Alternatively a covering may be glued-on/bonded or fully vulcanized to the rod.

Conveyors for crop elevation (see chapter 7, flights) are often fitted with flights/risers applied to the rods at the desired rod/pitch interval. Optionally, the rods between such flights may be straight or cranked. Such rods increase the effective flight height (see chapter 5, rivet rods). Alternatively a low profile 'rod pocket system' is possible using a sequence of down & straight or up cranked rods.

We also create special conveyors (see chapter 5, rivet rods):

- Porcupine/pintle rod profiles for trash extraction
- Twin-rod system for small rod gap applications
- Rods of fibreglass, aluminium or stainless steel for light weight/salt water applications
- Square mesh type work surface for special crops & sizing
- Conveyors for sorting/grading/dewatering