

Belt tracking

Checklist regarding design issues in order to avoid tracking problems

- Is the conveyor construction rigid enough? Is no inadmissible distortion of the supporting structure, pulleys or rollers under full load and maximal belt tension possible?
- Are the bearings for highly stressed pulleys like head, tail, tension and deflection pulleys made adjustable?
- Is there at least one cylindrical-conical or radial crowned pulley?
- Are the necessary belt tracking measures taken, e.g. cylindrical-conical or radially crowned shaped pulleys or other appropriate tracking measures mentioned in this guide?
- Is the crown height of the cylindrical-conical or radially crowned pulleys correct and made according to our recommendations?
- Is it considered, that the first pulley in belt running direction has the largest tracking effect in a group of pulleys and rollers and it is therefore made adjustable?
- Are snub rollers made adjustable in order to make them usable for belt tracking?
- Have all common tracking methods been considered before using guiding profiles?
- If guiding profiles are used, e.g. to absorb temporary lateral forces, are the grooves narrow in the zone where the transverse forces occur and wider in the rest of the belt path?
- Are all possible measures done to keep belt, pulleys, rollers and slider bed clean?