

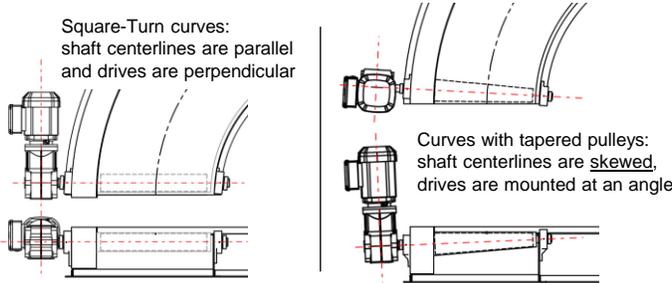


The Next Generation of Turns

FLOW-TURN's Square-Turn belt curves utilize a row of cylindrical end rollers ("pucks") instead of tapered pulleys as with conventional powered belt curves.

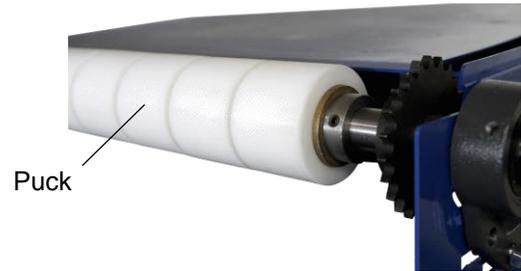
Key advantages and benefits of the Square-Turn design are:

- **Better Product Transfer**
Square-Turn curves have true parallel belt-to-belt transitions to and from adjacent conveyors – there is no trapezoidal gap with variable width as with tapered end rollers. As a result, transfer plates or brushes can often be eliminated.
- **Reduced Noise**
The cylindrical end roll design has the advantage that the belt lacing approaches the end rolls at a slight angle, reducing the noise when the lacing reaches the end rolls. In addition, the plastic puck material absorbs sound better than steel pulleys.
- **Safer Design**
Square-Turn curves have no uneven gaps with the potential of creating unsafe pinch points that need to be covered with transfer plates.
- **Easier Integration**
Drives are parallel and perpendicular, just as on a straight belt conveyor – not skewed as with tapered pulleys. Shafts are parallel to the shafts of the adjacent conveyors.

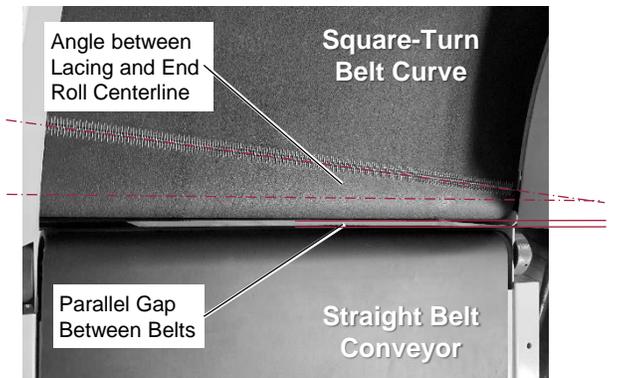


- **Lower Profile Height**
Square-Turn frames are 1 to 1.5" shorter compared with tapered pulley curves – this gives more headspace for ceiling hung conveyors and allows for lower belt elevations.
- **Simplified Parts Management**
FLOW-TURNS's pucks are the same size, no matter what curve radius or belt width – belt curves with tapered rollers require a different end roller for each variation of radius or width. For large facilities, the savings in spare parts stock can be significant.

Square-Turn Advantages and Benefits



- **Well Proven Loose Belt Design**
The loose belt design with chain driven belt has been in use for over 50 years and does not use friction between belt and pulley to drive the belt.
- **Design Flexibility**
Square-Turn belt curves are available in various sizes, arcs, and design options. Standard puck diameters are 4", 2.5" and 2" depending on curve size and speed.



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SQ Square-Turn Rev03



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We manufacture to rigid specifications and provide answers to unusual requirements.*