

POSIGRIP ROLLER CURVE CONVEYOR

24 Volt Motorized Roller Accumulation



Non-Contact Conveying

The revolutionary PosiGrip Accumulation Conveyor from TKF features non-contact, zero pressure accumulation that stages from the discharged end. The PosiGrip is ideal for industries where non-contact between product is crucial.

Accumulation Zones

Accumulation zones driven by motorized rollers containing a drive card with settings that allow for users to change speeds easily. The drive roller stops as a product reaches the photo-eye at the discharge point of the zone, to almost ensure no contact. Zones can be 30, 45, 60 or 90 degrees and come in 18" to 42" EW as standard.



The PosiGrip Advantage

- PosiGrip requires no lubrication, therefore, it is much cleaner than comparable conveyors.
- The positive PosiGrip geared belts provide superior drive force versus line shaft O-ring driven conveyors.
- The PosiGrip is ideal for both clean environments and tough or rugged applications.
- The rollers are driven with belts so there is no metal-to metal contact.
- Low power consumption.
- Variable speed in individual zones.
- Modular sections are pre-assembled and pre-wired which decrease the installation and field wiring costs.

Call Us for a Quote

Information Required for Quote:

1. Description of products including size, weight, and contact surface
2. Maximum handling rate (quantity per minute and speed)
3. Elevations
4. Plant electrical requirements
5. Special conditions i.e. extreme temperature, moisture, etc.
6. Direction of travel (one direction or reversible)

POSIGRIP CURVE SPECS

Rollers

32 1/2" Inside radius with either straight rollers, tapered rollers or true tapered rollers

Straight - 1.9" diameter (Identical to the straight PosiGrip conveyors).

- *least expensive*

Tapered Roller - 1.9" diameter on the small end and 3" diameter on the large end.

- *More expensive than straight*

True Tapered - 1.9" diameter on the small end with a varied diameter (based on EW) on the large end.

- *Most expensive rollers*

Tapered - Not True

EW	Small End Diameter	Centerline Diameter	Large End Diameter
18" - 42"	2 1/8"	2 9/16"	3"

Tapered - True

EW	Small End Diameter	Centerline Diameter	Large End Diameter
18"	2 1/8"	2 5/8"	3 1/16"
24"	2 1/8"	2 13/16"	3 7/16"
30"	2 1/8"	2 15/16"	3 3/4"
36"	2 1/8"	3 1/8"	4 1/16"
42"	2 1/8"	3 1/4"	4 7/16"

Roller Speeds

EW	True Tapered Roller "M"	Centerline Radius	Centerline Length 90 Degrees	Outer Rail Inside Radius
18"	1.38	47 1/2"	6'-2 5/8"	56 1/2"
24"	1.48	50 1/2"	6'-7 5/16"	62 1/2"
30"	1.54	53 1/2"	7'-0 1/32"	68 1/2"
36"	1.645	56 1/2"	7'-4 3/4"	74 1/2"
42"	1.71	59 1/2"	7'-9 15/32"	80 1/2"

Straight Roller (FPM)	Tapered Roller (FPM)	True Tapered Roller (FPM)	Gearbox
25 - 40	30 - 50	25 - 40 x "M"	64:1
40 - 60	50 - 75	40 - 60 x "M"	48:1
60 - 80	75 - 100	60 - 80 x "M"	36:1
80 - 120	100 - 150	80 - 120 x "M"	24:1



TKF Conveyors
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- 2 1/2" belt for 23 rollers per 90 degree turn. 2 zones per 90 degree turn required
- 3 3/4" belt for 115 rollers per 90 degree turn, 2 zones per 90 degree turn recommended
- *Consult engineering for any other variation*

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