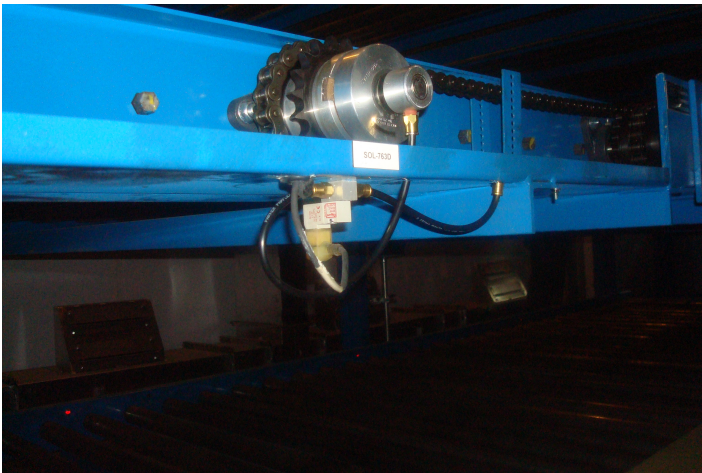


TKF ZONED ACCUMULATION CONVEYORS



TKF zoned accumulation conveyors are typically applied on heavy unit loads for a variety of products. Capacities range from 20 lbs. to a maximum of 20,000 lbs. Conveyors are offered with 1.9 or 2.5" roller diameters in widths up to 60" depending on load and roller size. A single assembly consists of a roll-to-roll chain driven live roller (CDLR) conveyor divided into individually air clutch driven powered zones of a pre-set length. The entire conveyor length is driven by a single power unit and each zone is driven by an air operated clutch, controlled by a sensor located at the end of each zone.



Unlike most competitive designs, the TKF zoned accumulation conveyor offers a compact configuration and extremely low profile. This is because the complete clutch assembly is positioned within the side frame instead of underneath. And because the TKF design is so clean and simple it is quiet when running and requires minimum maintenance. Standard features, available options and specifications are shown on page 2.

Standard Features

- Compact, low profile design
- Pneumatically controlled
- ZPA logic available
- Low air consumption
- Individual zone control
- Low maintenance
- Minimum HP requirements

Available Options

- Structural channel side frames
- Reversing operation
- Online work stations
- Special widths
- Special zone or Section lengths
- 2.5" dia. x #7 ga. or 3.5" dia. x 5/16" wall rollers
- Solenoid operating zones
- Zone breaks
- "Batch Release" controls



TKF ZONED ACCUMULATION CONVEYORS

Operation Without Load Impacting

When a load enters the TKF zoned accumulation conveyor, it is driven to the farthest unoccupied zone. The load the sensor at the end of that zone, which disengages the zone's Clutch and "arms" the succeeding zone. When the next load reaches the end of the succeeding zone, its clutch is de-energized, and the sequence repeats until all zones are filled. When a load is removed from the conveyor's exit end, its sensor is released, signalling the accumulated loads to move up one at a time, filling the vacated zone.

Medium Duty 1.9" DIA. x #12 GA. x 7/18" Hex Axle Roller

Frame	Roller Centers RC	Zone Length ZL (ft.)	Section Length SL (ft.)	Effective Width EW	Height H*	Speeds (FPM)	Max Allowable Load/ft**	Max Unit Load**
Formed Channel 6" x 1.75" 10 gauge	4" or 6"	2ft.	2,4,6, 8,10,12	18" min. 48" max. (2 inch increments)	6" min.	15,30, 45,60	300#	1000#
		3ft.	3,6,9,12					
		4ft.	4,8,12					

Heavy Duty 2.5" DIA. x #11 GA. x 11/16" Hex Axle Roller

Frame	Roller Centers RC	Zone Length ZL(ft.)	Section Length SL (ft.)	Effective Width EW	Height H*	Speeds (FPM)	Max Allowable Load/ft**	Max Unit Load**
Formed Channel 6" x 1.75" 7 gauge	4" or 6"	3	3,6,12	24" min. 60" max. (2 inch increments)	6.25" min.	15,30, 45,60	1000#	1000#
		4	4,8,12					
		5	5,10					
		6	6,12					

* Minimum height is without supports and with a top mounted drive

** For greater capacities, consult TKF

NOTE: Roll-to-Roll chain drive is RC40; zone-to-zone chain drive is RC60

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)
3. Infeed and discharge elevations
4. Plant electrical requirements
5. Special conditions i.e. extreme temperature, moisture, etc.
6. Direction of travel (up, down, reversible)



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