

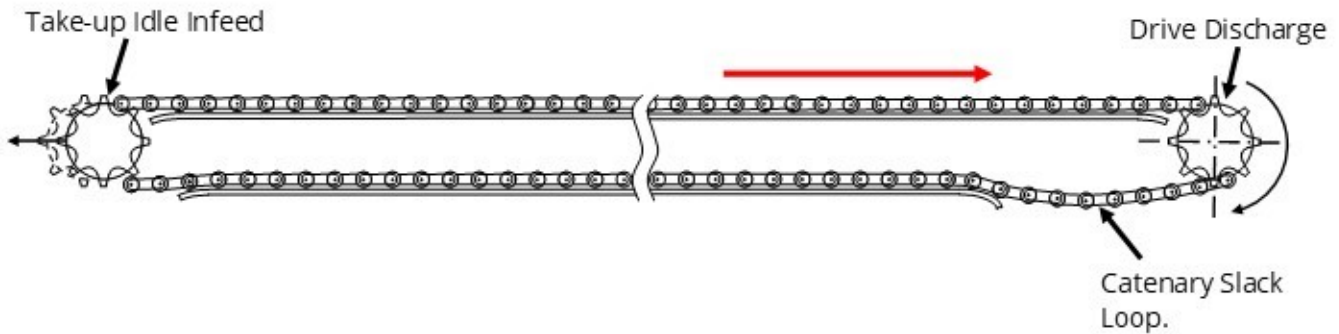
# Eye-Flex<sup>®</sup> Conveyor Belting

## Conveyor Design Guidelines

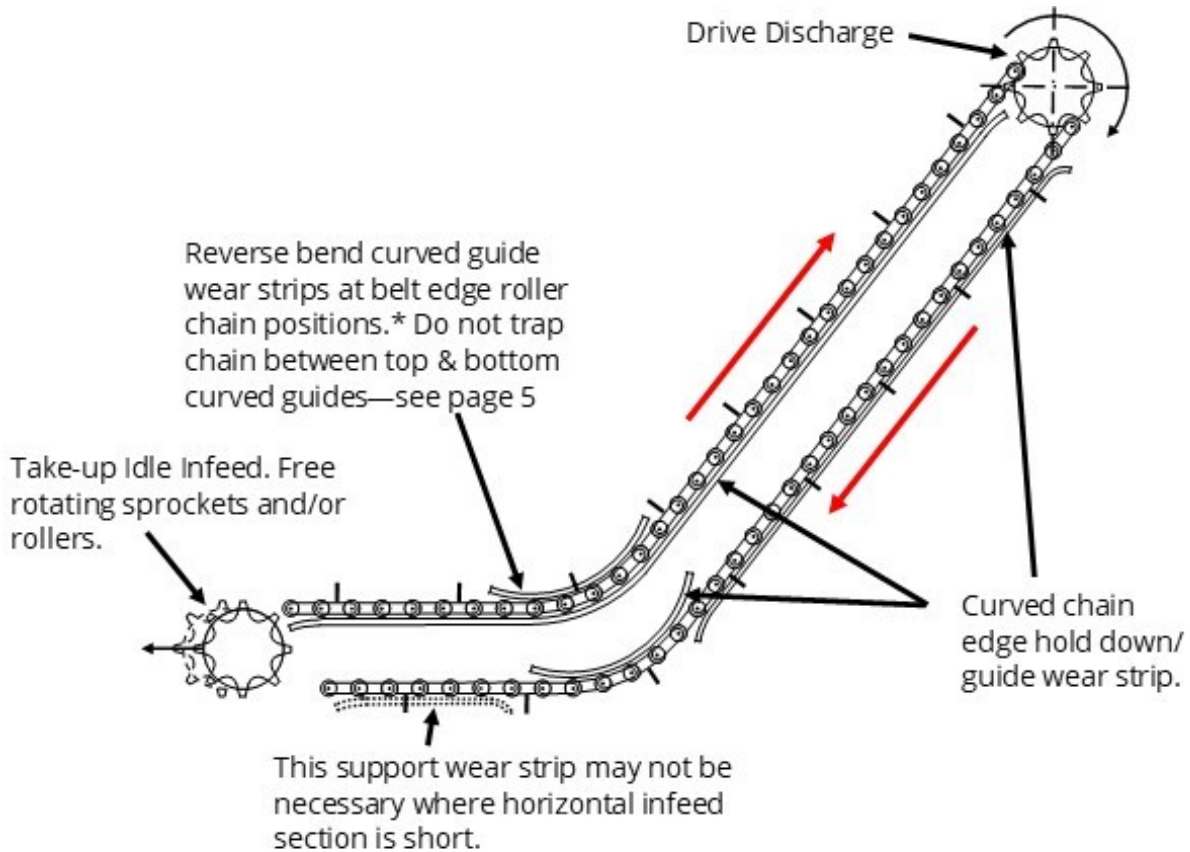
### Roller Chain belt Edges - Positively Sprocket Driven

#### Typical Belt Circuits

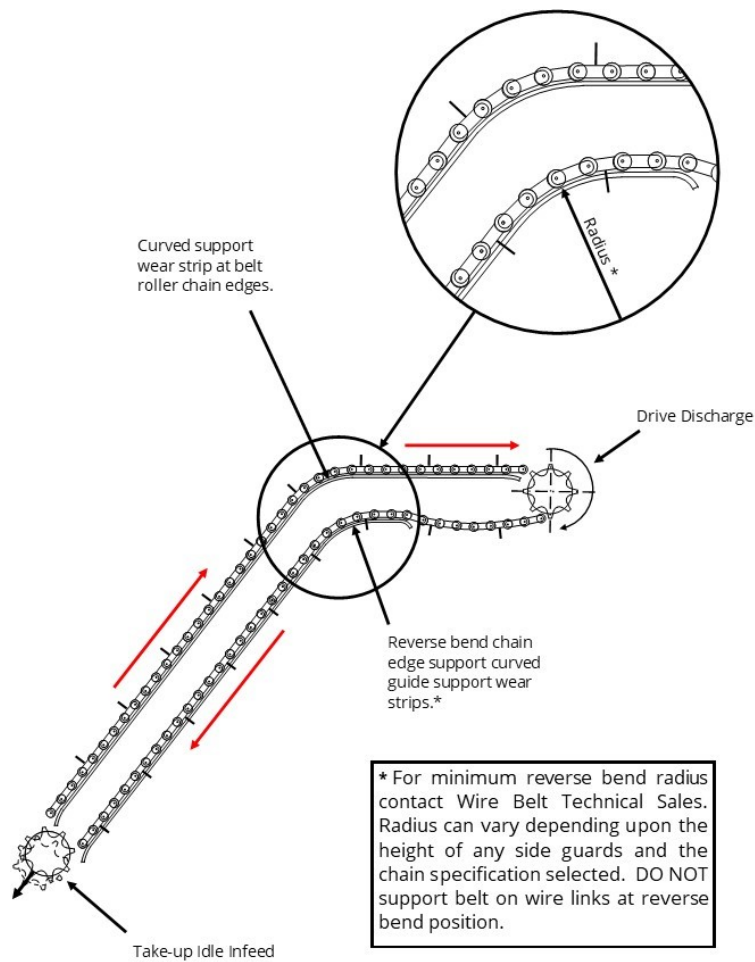
##### Simple Loop Circuit



##### Inclined Conveyor with Single Reverse Bend Arrangement

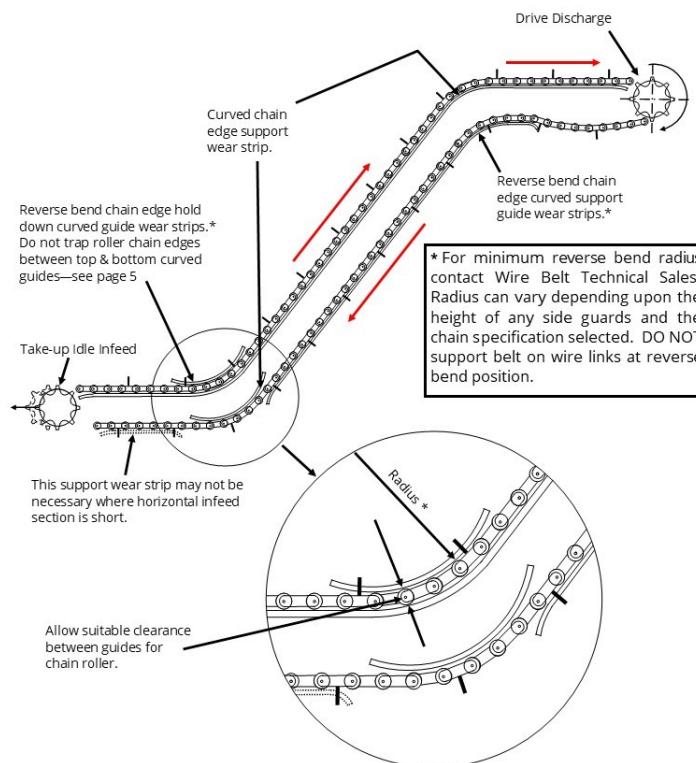


## Inclined Conveyor with Single Forward Bend Arrangement

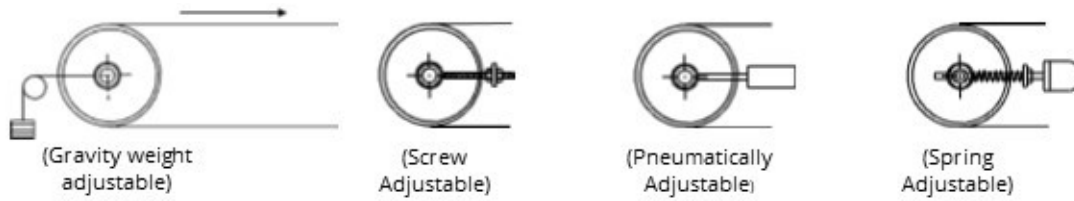


## Inclined Conveyor with Reverse & Forward Bend Arrangements.

('Swan Neck - Z' Configuration)

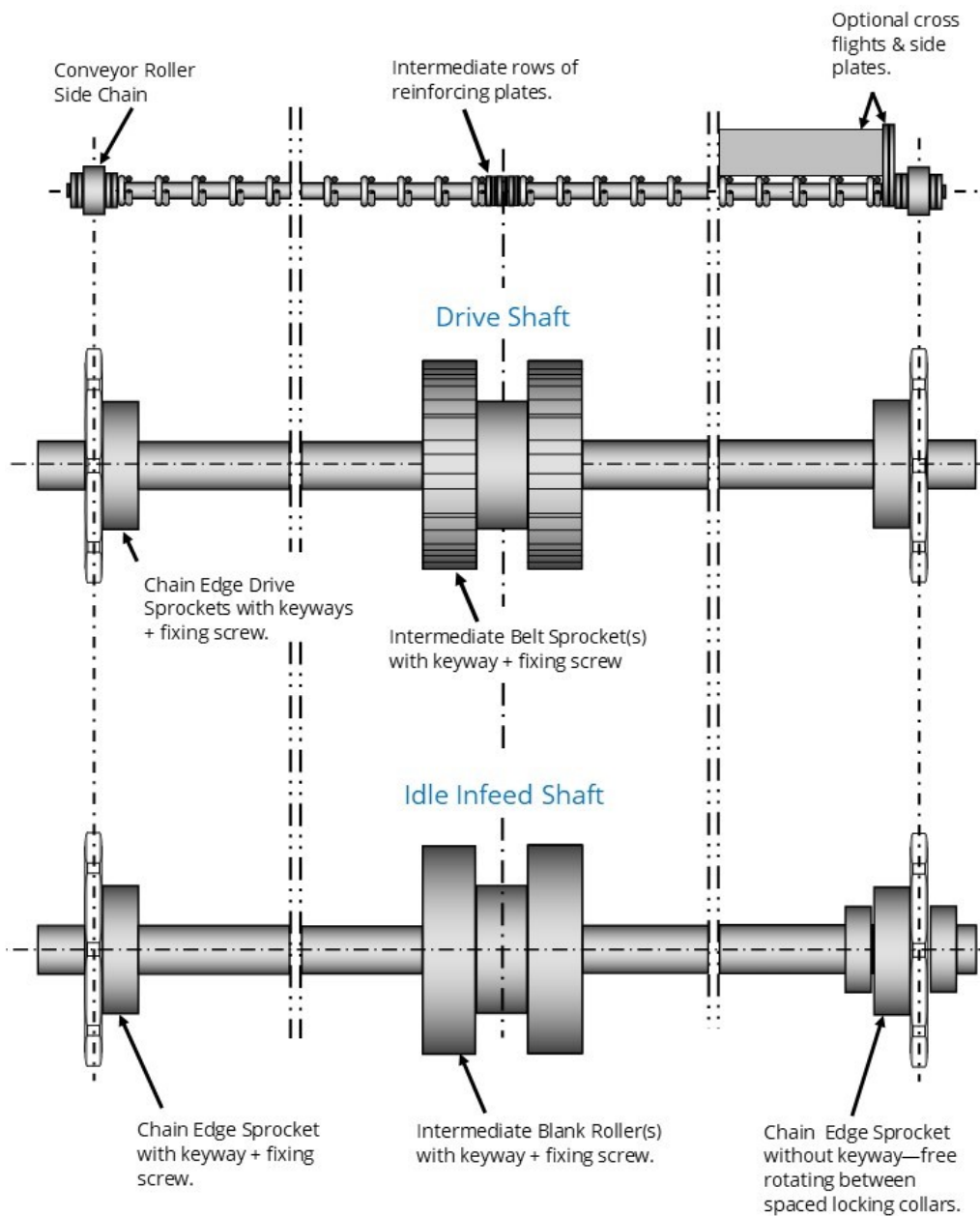


## Idle Infeed Take-up Options (all circuits):



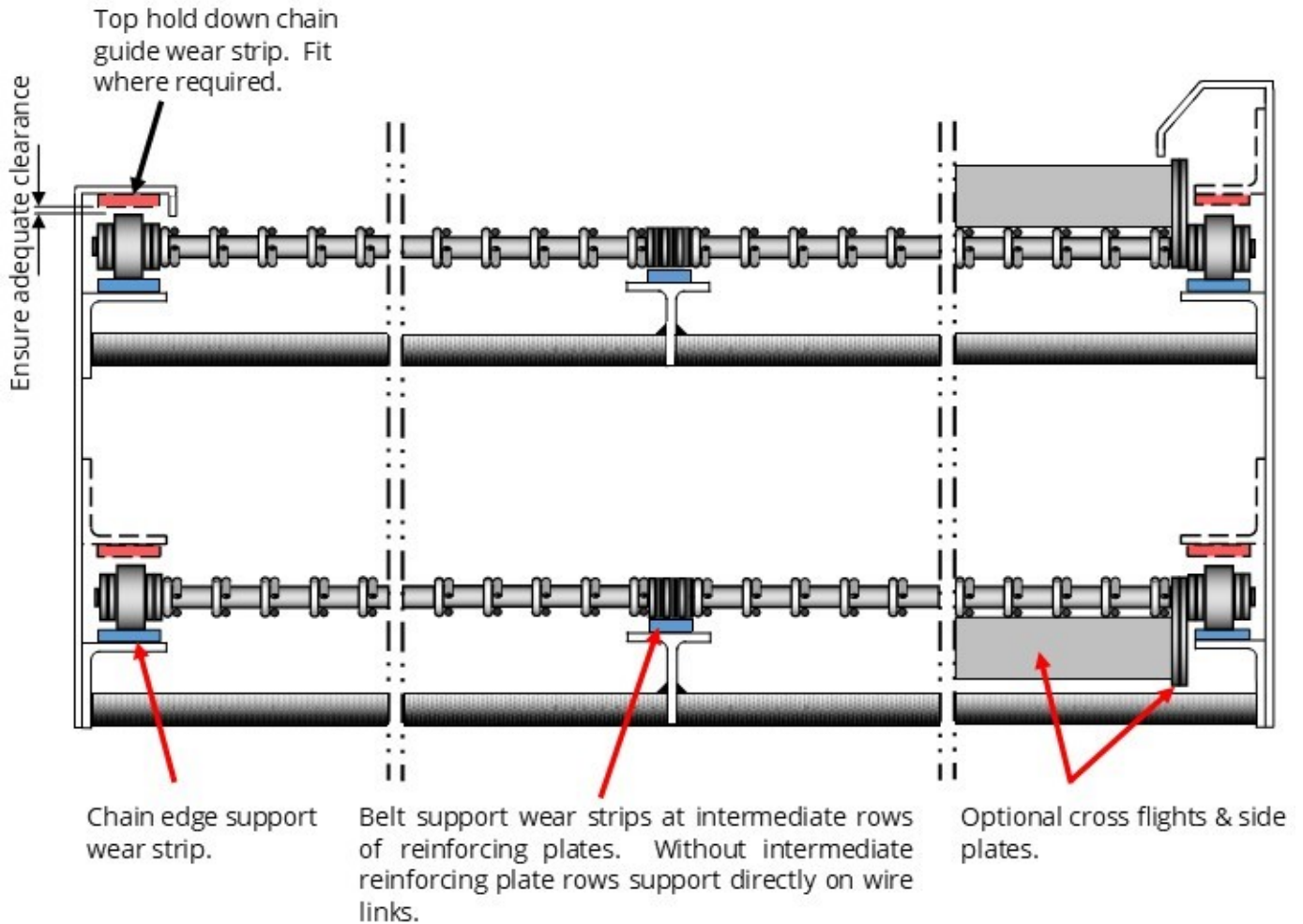
Note: Ensure that belt take-up adjustment operates evenly on each side of the conveyor.

## Drive & Idle Infeed Shaft Setup

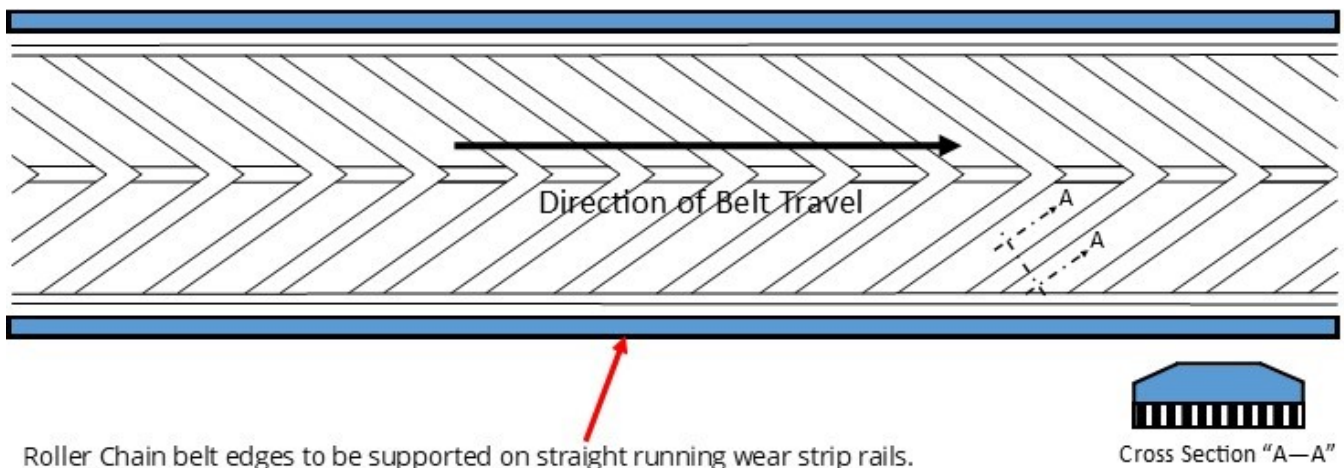


NOTE: Ensure all shafts are parallel & horizontal with sprocket teeth in true alignment and set symmetrically about the conveyor centre line.

## Typical Conveyor Cross Section



Alternative Chevron (Herringbone) pattern wear strips can be used to support mesh on straight running conveyor sections. This arrangement shares the load and wear across the full width of the belt. Straight running wear strips will be required to support roller chain edges in combination with the Chevron wear strips. If used on the carry way the cross section of the Chevron wear strips should have a feathered edge. See below:-



**NOTE:** Where possible always use low friction wear strip material.