

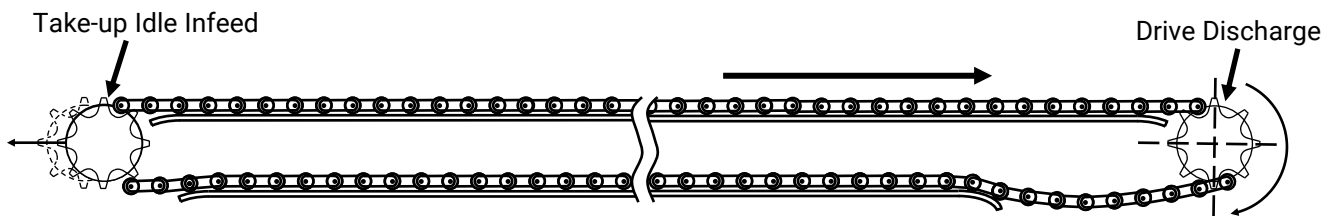
Plate Link Belt

Conveyor Design Guidelines

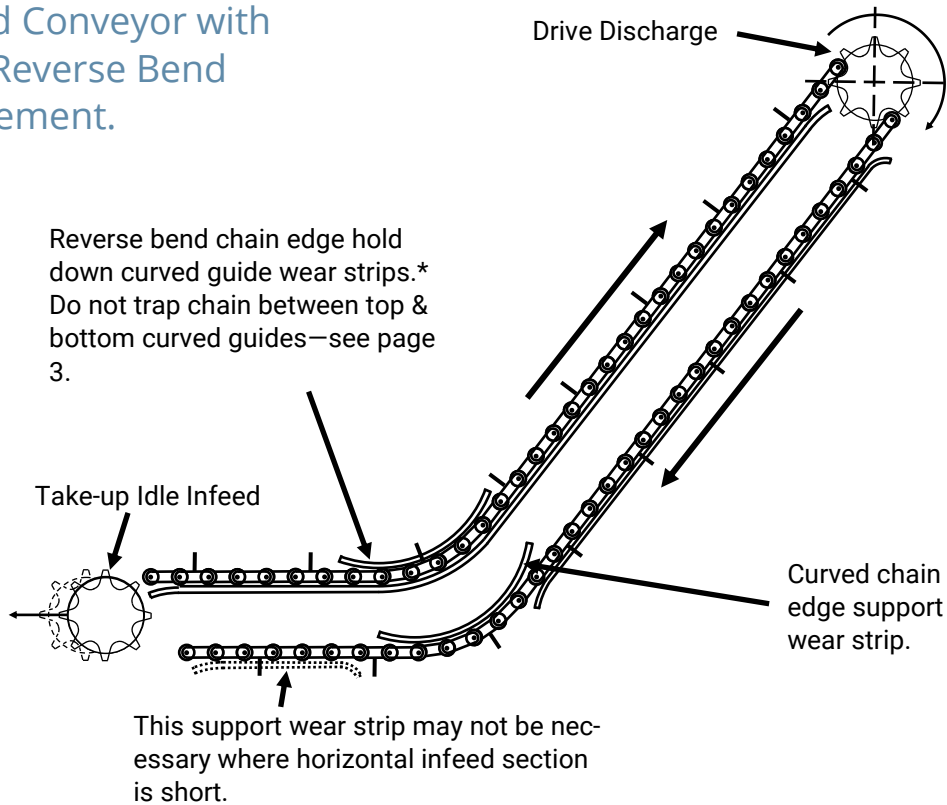
Straight Running - Positively Sprocket Driven

Typical Belt Circuits:

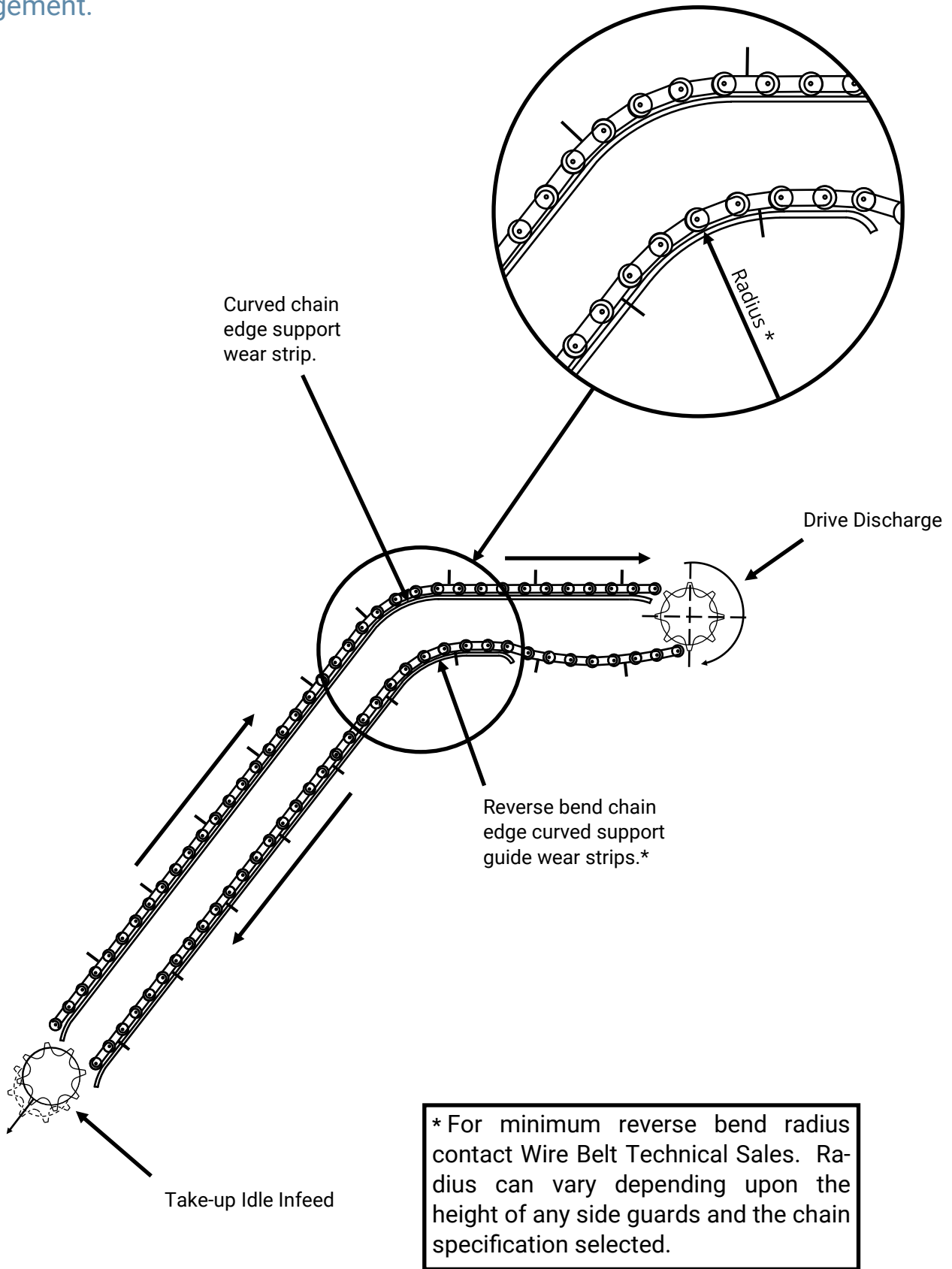
Simple Loop Circuit



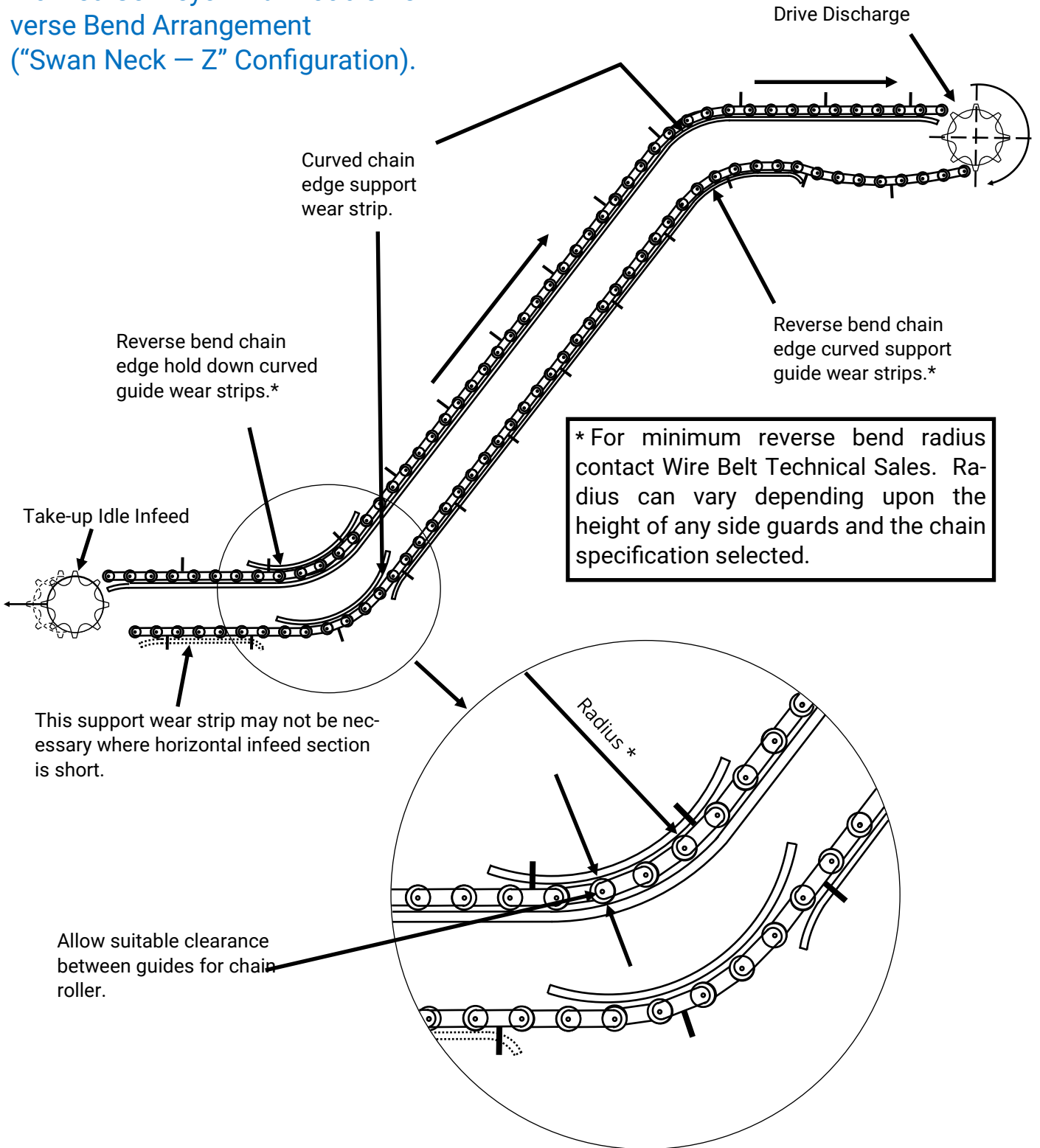
Inclined Conveyor with Single Reverse Bend Arrangement.



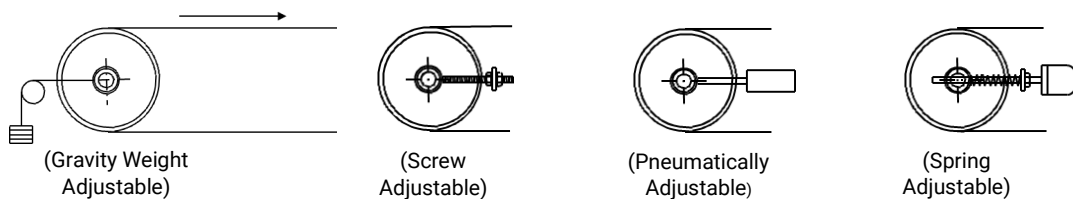
Inclined Conveyor with Single Forward Bend Arrangement.



Inclined Conveyor with Double Reverse Bend Arrangement ("Swan Neck – Z" Configuration).

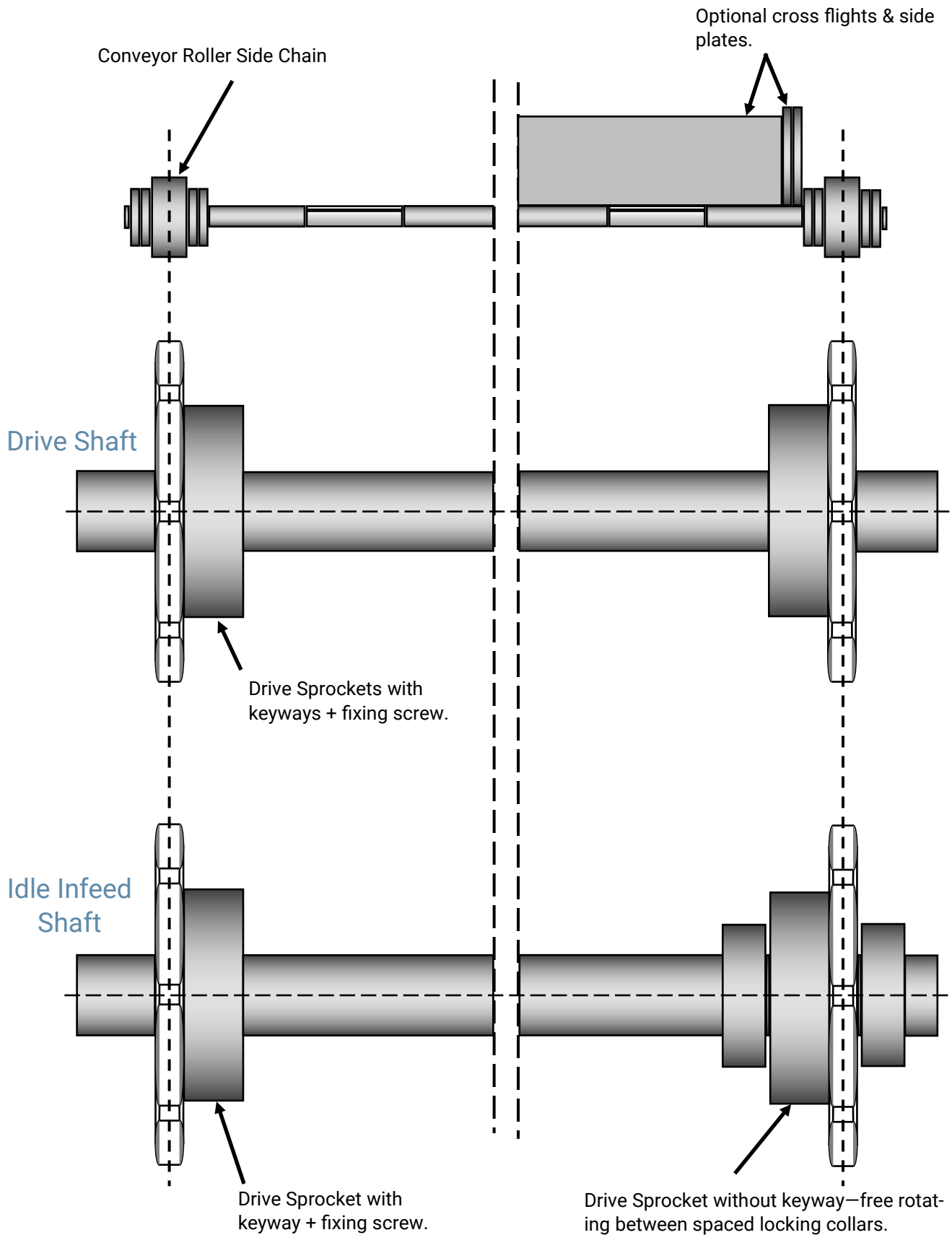


Idle Infeed Take-up Options (all circuits):



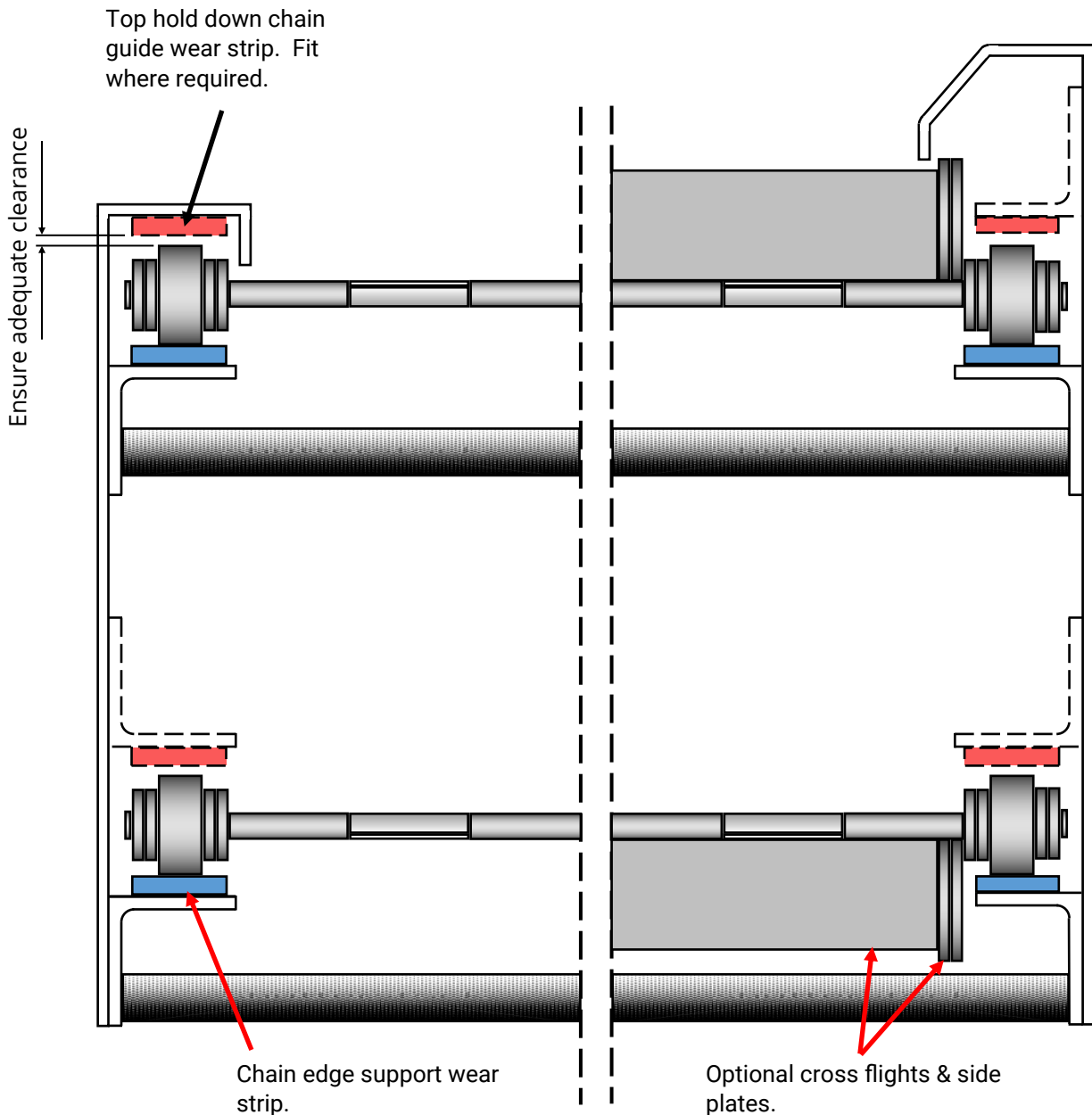
Note: Ensure that belt take-up adjustment is the same on each side of the conveyor.

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



NOTE: After belt installation and prior to connecting to a geared motor drive, turn conveyor belt over by means of a hand powered lever handle on the main drive shaft. Check that the belt is free to travel throughout the circuit without catching. Alternative to this would be to fit a slipping clutch drive ensuring no damage to the belt in the event of a jam condition.