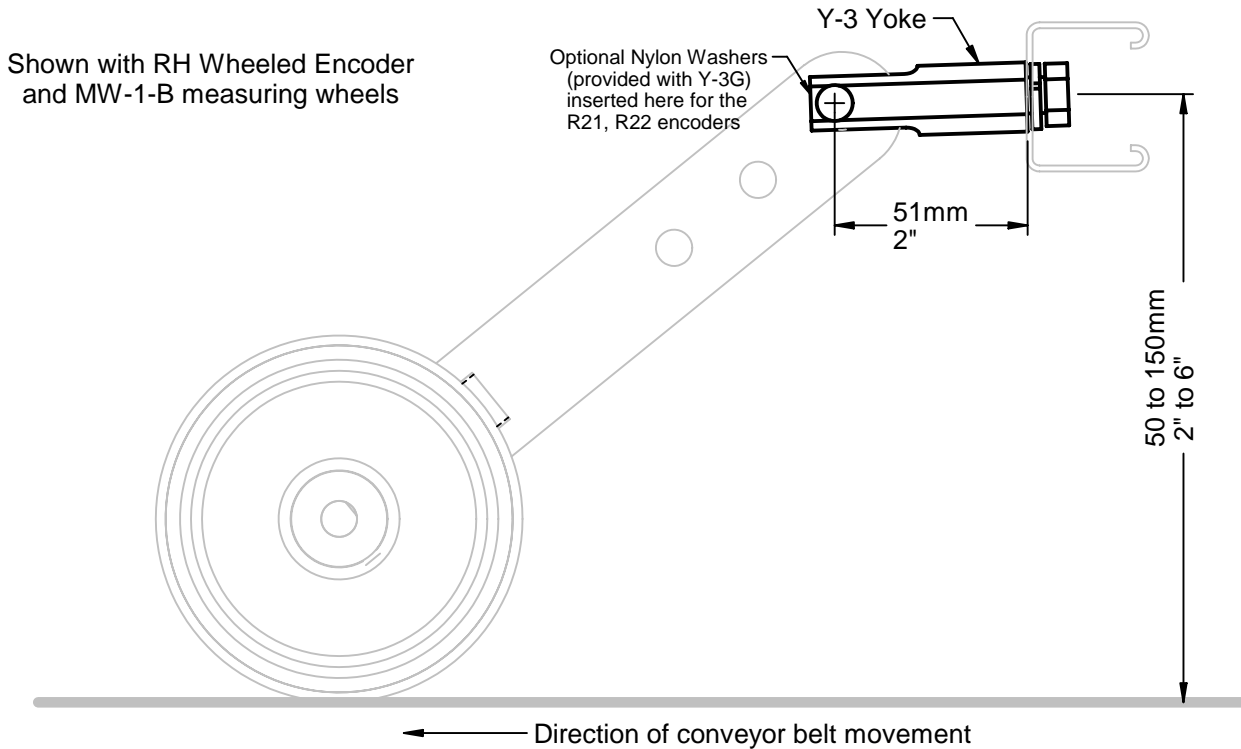


# Y-3

# Wheeled Encoder Mounting Yoke



## DESCRIPTION

The Y-3 facilitates mounting the model RH dual wheeled encoder above a conveyor belt or web as shown in the figure. For the R21 and R22 wheeled encoders, order the Y-3G.

The Y-3 yoke provides a pivot point along the center of gravity of the encoder equipped with a pair of measuring wheels, allowing for up/down and some sideways movement of the encoder so that it self-aligns with the conveyor belt movement, thus minimizing wheel wear.

It should be mounted as shown such that the movement of the conveyor pulls the encoder, and the Y-3 should be aligned as parallel as possible with the conveyor belt. If the encoder is mounted such that it is pushed towards the Y-3, it will not maintain proper alignment and will result in premature wheel wear.

## INSTALLATION

1. Insert the brass bushing through the hole on the encoder handle.
2. Align the handle and brass bushing between the fork of the Y-3. Then insert the clevis pin into one hole of the Y-3, through the handle and brass bushing, and out the other hole of the Y-3. Secure the clevis pin with the cotter pin.  
Note: For the R21 and R22 encoders, place a nylon washer, included with the Y-3G, on each side of the handle to eliminate excess gap.
3. Bolt the Y-3 to a mounting beam (not supplied) using the 3/8-16 cap screw and lock washer. The Y-3 should be parallel to the conveyor belt with the pivot point 2" to 6" above the belt, and be aligned with the movement of the conveyor.
4. Attach the encoder cable so it is clear of the pivot point, and with sufficient slack to allow for expected up/down and sideways movement.



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Y-3 Yoke Components		
Description	Part No.	Quantity
Y-3 Yoke	605-0039-01	1
3/8-16 Cap Screw	541-3800	1
Split-Lock Washer	543-3805	1
Brass Bushing	603-0276-01	1
Clevis Pin	541-0001	1
Cotter Pin	541-0002	1

Additional parts for Y-3G		
Description	Part No.	Quantity
Nylon Washer	543-3806	2