

# Hitch Guard

## Prevent Downtime, Minimise Product Damage

The Hitch Guard from Flexco is engineered to provide a smooth transition of product over the conveyor hitch. The Hitch Guard prevents small objects from becoming lodged in the hitch which can cause longitudinal conveyor belt tears, damage to conveyed products, and costly periods of unscheduled downtime. Designed to permit individual segments to release from the support bar, objects are quickly dislodged while remaining segments stay secured for continued operation.

*Prevents objects from becoming lodged in the hitch*



*76 mm (3") segments are **easy to install and quickly release** under pressure of trapped objects*

*Support bar and segments can be **easily customised** for any belt width*



*UHMW segments provide for **low friction and high wear***

*Optional mounting design available for use with **Scanner Eye** systems*

### Features and Benefits:

- Hitch Guard permits a single segment to release preventing belt damage should a foreign object become lodged in the guard but keeps the remaining segments intact for maximum operational efficiencies.
- Compatible with mechanical and endless belt splices.
- Bright yellow color makes segments easy to monitor for replacement.
- Two mounting designs offer compatibility with most systems, including those with existing Scanner Eyes.

*Patent 8,365,899*



*Segment released due to F.O.D (foreign object debris)*

## Unique, patented design



**Easy to install:** Mount the Hitch Guard to your conveyor with simple brackets and hardware, then install segments with a light mallet tap.



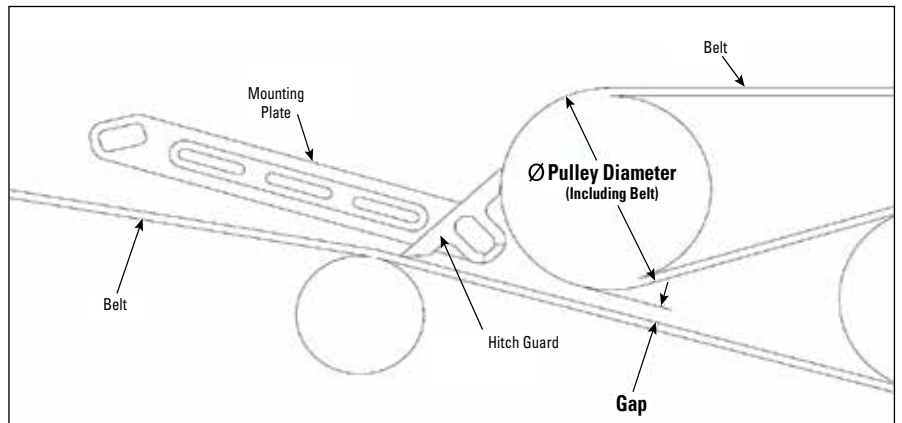
**Snap-fit design:** The 76 mm (3") segments are designed to release under pressure if small objects become lodged between belt and segments.

## Hitch Guard

Choose from a Universal Mounting System that fits most applications or a Scanner Eye Mounting System that doesn't interfere with electronic scanner eyes, but still keeps hitch protected.

Each Hitch Guard comes with a specially designed gauge for proper positioning in the hitch allowing for optimal installation and performance. See Hitch Guard Installation Specifications chart below to determine if the Flexco Hitch Guard is appropriate for your conveyor hitch.

Hitch Guard Installation Specifications									
Pulley Diameter (including belt)	63.5 mm 2.5 in	76.2 mm 3.0 in	88.9 mm 3.5 in	101.6 mm 4.0 in	114.3 mm 4.5 in	127 mm 5.0 in	139.7 mm 5.5 in	152.4 mm 6.0 in	165.1 mm 6.5 in
Minimum Gap Required	20.32 mm 0.8 in	12.7 mm 0.5 in	2.54 mm 0.1 in	0	0	0	0	0	0
Maximum Gap	40.64 mm 1.6 in	35.56 mm 1.4 in	30.48 mm 1.2 in	25.4 mm 1.0 in	20.32 mm 0.8 in	15.24 mm 0.6 in	10.16 mm 0.4 in	5.08 mm 0.2 in	0



Hitch Guard Ordering Information						
Maximum Conveyor Width	Universal Mounting Bracket		Scanner Eye Mounting Bracket			
	mm	in	Ordering Number	Item Code	Ordering Number	Item Code
900	36"		HITCHGD-V3-KIT-36IN	04442	HITCHGD-V1-KIT-36IN	04322
1050	42"		HITCHGD-V3-KIT-42IN	04443	HITCHGD-V1-KIT-42IN	04321
1200	48"		HITCHGD-V3-KIT-48IN	04444	HITCHGD-V1-KIT-48IN	04320
1500	60"		HITCHGD-V3-KIT-60IN	04445	HITCHGD-V1-KIT-60IN	04319
1800	72"		HITCHGD-V3-KIT-72IN	04988	HITCHGD-V1-KIT-72IN	04973

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